

F · S · T

HANDCRAFTED PRECISION  
*for you*



FINE SCIENCE TOOLS

2026

# PHYMEP

## Partenaire officiel de **Fine Science Tools (F.S.T)** depuis plus de 30 ans

Fine Science Tools (FST) conçoit et fabrique depuis plus de 40 ans des instruments de précision destinés aux professionnels de la recherche en sciences de la vie. Ces produits sont utilisés dans le monde entier par les chercheurs soucieux de **qualité**, de **fiabilité** et d'**efficacité**.

Dans le cadre de notre engagement à faciliter l'accès aux meilleurs outils, nous avons établi un partenariat avec **Phymep**, distributeur reconnu pour son expertise dans la fourniture d'équipements scientifiques.

Ce partenariat vous garantit :

- Une gamme complète d'instruments FST rigoureusement sélectionnés
- Un accompagnement personnalisé pour le choix et l'utilisation des produits
- Une logistique optimisée pour des livraisons rapides et fiables
- Un **service client de proximité**, disponible pour répondre à vos besoins

Ce catalogue vous propose une sélection de produits conçus pour les **exigences** des laboratoires de recherche, des universités, des centres de formation ou encore des structures spécialisées en expérimentation.

**Explorez-le pour découvrir des instruments de qualité supérieure, pensés pour durer et améliorer la précision de vos chirurgies quotidiennes**

Un grand merci également à l'ensemble des utilisateurs pour leur fidélité et leur exigence, qui nous inspirent à toujours viser l'excellence.



Markus Gawenda  
Owner

## LETTER FROM THE OWNER

### Dear Valued Customers, Partners, and Friends,

As we celebrate our 51<sup>st</sup> year of precision, passion, and purpose, we extend our deepest gratitude to you; our valued partners, clients, and colleagues – who all are an integral part of this remarkable journey. From our humble beginnings to our global presence today, one thing has never changed: our unwavering commitment to quality, service, support, and innovation.

Behind every catalog page is a dedicated team that truly cares – not just about instruments, but about the people who use them. Whether you're a long-time customer or opening our catalog for the first time, we are here to guide you, collaborate with you, and deliver an experience rooted in trust, quality, and care.

This year, we are proud to unveil our theme: Smallville – a tribute to our unwavering attention to detail and profound commitment to craftsmanship. It serves as a powerful and imaginative symbol of the qualities that define us. Just as each miniature figure is meticulously crafting every cutting

edge, every curve, every tip and mechanism reflects the heart and soul we pour into our instruments. Every element matters and every customer deserves nothing less than excellence.

This commitment to precision extends beyond our instruments, it is also embedded in every aspect of our processes, on how best to serve you. We at Fine Science Tools (FST®) are always looking for smarter, more sustainable ways to help our community. We are actively rethinking materials, refining production processes, and protecting the health of our planet alongside the health of everyone. We are making conscious efforts at FST and every decision we make today considers the needs of tomorrow. Thank you for being a part of our story. Here's to the next chapter – built on precision, shaped by innovation, and guided by values that never go out of style.

Warmest regards, Markus Gawenda

# TIMELINE

## FST® SINCE 1974

For more than 50 years, Fine Science Tools has been the leading distributor of precision surgical and microsurgical instruments, as well as laboratory accessories with offices in Foster City (USA), Heidelberg (Germany) and Hong Kong (China) supporting and serving customers across the globe.

### 1974



FST is established by Hans Gawenda in North Vancouver B.C., Canada

### 1996

FST invents and launches the first and only available 0.5 mm Cup Rongeur

### 1984



FST opens a business office in Foster City, California, USA

### 1993



FST opens a business office in Heidelberg, Germany

### 1999

25<sup>th</sup>  
Anniversary  
of FST

### 2003

Deployment of the first website with ordering capability

### 2006

Introduction of FST CeramaCut® scissors

### 2009

FST Catalog Cover wins 1st place award for Showcase of Print and Design Excellence. Since 2009, FST catalog covers and print ads have won over 22 awards



Hans Gawenda



First FST product



2014

FST wins the Highest  
Attention-Getting Ads  
in Magazines

2019

Markus Gawenda  
joins the company

US Office moves  
and expands  
in Foster City,  
California, USA

2021

FST establishes a global  
Management-Team

2023

Markus Gawenda becomes  
the sole owner

2024

50<sup>th</sup> Anniversary of FST

FST opens  
a business office  
in China

Launch of our  
FST "Exclusive Line"

2025

New Webshop  
Launch

Markus Gawenda

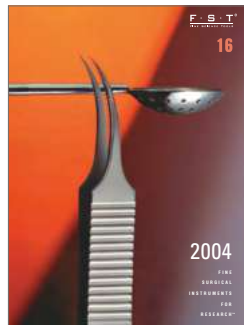


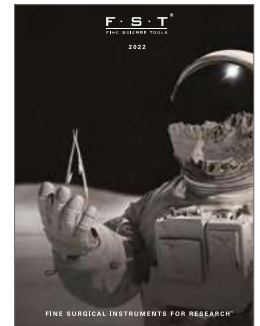
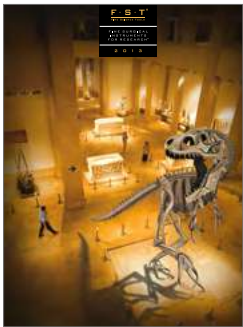
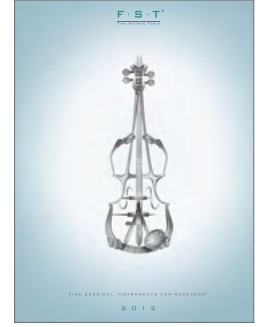
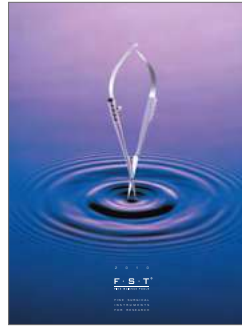
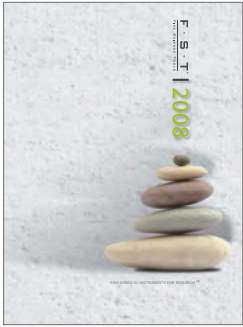
Exclusive Line

# CREATIVE DESIGNS

## CATALOG COVERS AND PRINT ADS

The unveiling of our annual marketing campaign reflects our passion and excitement for innovation and creativity year after year. FST® catalog covers and print Ads have won over 22 awards and are well known within the research community.





# EXCLUSIVE LINE

## BONN-GAWENDA SCISSORS

Our Exclusive Line was released on our 50th Anniversary, these instruments are meticulously crafted to support every aspect of your research needs. At the heart of this collection is the Bonn-Gawenda Scissors, created as a tribute to our founder, Hans Gawenda, and symbolizing our legacy of innovation and excellence. These scissors stand out for their advanced design and exceptional craftsmanship, reflecting the high standards that have always defined our work.

The ToughCut® technology incorporates one micro-serrated cutting edge paired with a razor-sharp blade, delivering consistently clean and precise cuts. These scissors have perfect tips for precision work under a microscope. Designed with comfort and ergonomics in mind, the large finger loops and specially engineered handle ensure exceptional control throughout each use.



Cutting Edge: 10 mm  
Microscopically fine tips

Length: 10.5 cm

One side serrated

One side razor-sharp

Larger Loops

ToughCut®



Watch the video about  
the Bonn-Gawenda Scissors



# F · S · T

## *Exclusive Line*

Our Exclusive Line offers a unique combination of popular features. Whether you're seeking elegance, stability and ergonomics, or versatile functionality, the Exclusive Line was specially designed to cater to every aspect of your needs.



**Look for the Exclusive Line  
icon in the catalog.**



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14855-10

16220-14

16221-14

12875-13

11851-20

11852-20

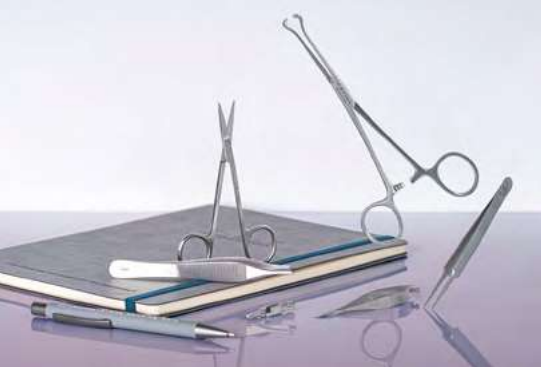


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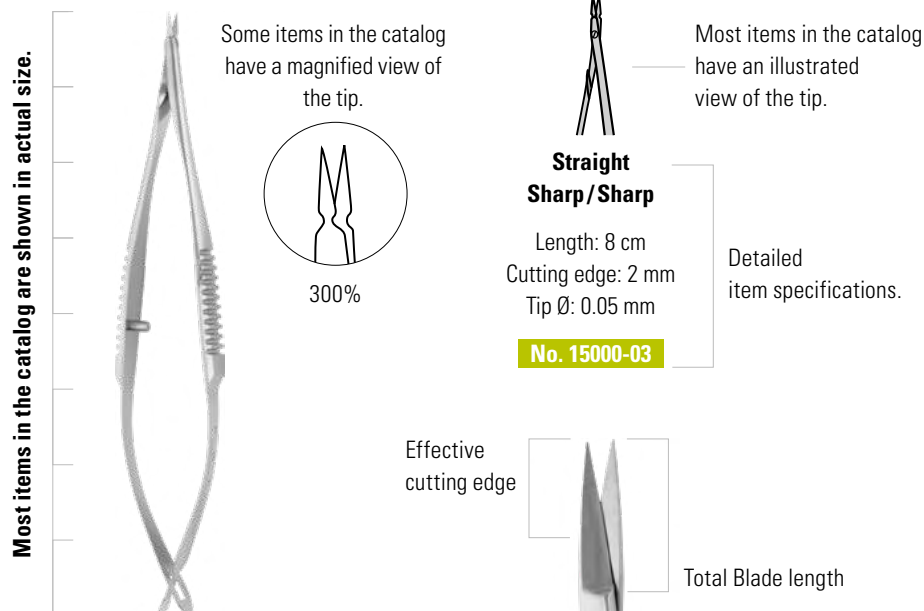
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# CATALOG FEATURES

## PRODUCT FEATURES

To provide you with our support regarding your decisions in finding the right instruments for your purpose, the product feature details are explained below.



## ICONS



The Exclusive Line offers a unique combination of popular features of our tools combined into one. Whether you're seeking elegance, stability and ergonomics, or versatile functionality, the Exclusive Line is specially designed to cater to every facet of your needs.



Fine Science Tools has noted which items are most frequently purchased for use in a variety of surgical procedures. To find our most popular items, look for the "most popular" icon throughout the catalog.



Our yearly selection of new instruments is based on a careful study and knowledge of our customer needs, as well as listening to their requests.



The tips have micro serrations to ensure a better grip on tissue or other materials.



Fine Science Tools is proud to offer a large selection of left-handed surgical instruments to our community. To find our left-handed instruments in this catalog, look for the "left-handed" icon on the pages below.



FST® features a selection of scissors with larger than normal finger loops. Most of these loops are easily adjustable to fit larger fingers more comfortably. To find our large loop scissors please look for the "large loop" icon on the pages below.



These items are not suitable to autoclave, but can be sterilized by a different method. For example: hot bead sterilization, gas sterilization, plasma sterilization or hot air sterilization. Please contact us to receive more information regarding the best preferred method for your instruments.

*Scissors: pages 38, 49*  
*Hemostatic Forceps: page 117*  
*Needle Holders: pages 150 - 151*  
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Fine Science Tools offers a wide selection of the latest and most popular Dumont forceps. Handcrafted in Switzerland for more than a century, these forceps are known for their consistent and uncompromised fineness.

Dumont forceps come in an array of styles and alloys. Below you will find detailed descriptions to help guide you in choosing the right Dumont forceps best suited for your needs.

## FINDING THE DUMONT FORCEPS BEST SUITED FOR YOUR NEEDS

| Alloys   | Hardness   | Magnetic | Temperature resistance | Autoclavable | Advantages                                                                                                                                                                                                                                                      |
|----------|------------|----------|------------------------|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Titanium | Least Hard | No       | Up to 430 °C           | Yes          | Resistant to corrosion from nitric acid, chloride, and salt water. Titanium is 40% lighter than Surgical Stainless Steel.                                                                                                                                       |
| Dumoxel  | Hard       | No       | 400 °C                 | Yes          | The most popular alloy available for Dumont forceps offers the high resistance to corrosion, sulphuric environments, hydrochloric acids, and all other mineral and organic acids.                                                                               |
| Inox     | Harder     | Yes      | 400 °C                 | Yes          | Available for most Dumont forceps. Contains chromium added to carbon steel, which results in some loss of hardness but offers good stainless qualities and resistance to corrosion.                                                                             |
| Dumostar | Harder     | No       | 500 °C                 | Yes          | More durable and corrosion resistant than the best Surgical Stainless Steel. Highly resistant to mineral and organic acids, and salt water. Dumostar lasts an average of four times longer than Dumoxel and Inox. Most cost effective alloy for laboratory use. |
| Carbon   | Hardest    | Yes      | N/A                    | No           | Extremely hard; ensuring strong tips. Easily stains and rusts without proper care. Carbon cannot be immersed in a water bath or sterilized.                                                                                                                     |

**Tip profiles:** Dimensions vary. See each style for specific dimensions (width x thickness).

|                 |                                                                                                                                                                                      |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Standard        | Made for high precision and consistently precise work under a microscope.                                                                                                            |
| Biology         | Twice as fine as "Standard Tips". Especially produced for high precision laboratory work under the microscope.                                                                       |
| Super Fine Tips | Four times finer than the "Standard Tips". These tips are extremely delicate for the finest work under the microscope. Extra care is needed for these tips as they are very fragile. |

### Styles

|      |                                                                                                                                                                 |         |                                                                                                                               |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-------------------------------------------------------------------------------------------------------------------------------|
| #2   | Straight forceps with wide yet fine tips, referred to as Mouse Laminectomy Forceps because of their popularity in breaking off delicate bone from mouse skulls. | #5XL    | Extra Long #5 forceps.                                                                                                        |
| #2AP | Epoxy coated with flat wide blunt tips.                                                                                                                         | #5/45   | Tips angled at 45°.                                                                                                           |
| #3   | Long straight forceps with coarse tips. Popular in low magnification procedures.                                                                                | #5/45C  | Designed to pick up cover slips from multi-well plates.                                                                       |
| #3C  | Shorter version of #3.                                                                                                                                          | #5/90   | Tips angled at 90°.                                                                                                           |
| #4   | Similar to the #5 but with broader shanks and stronger tips.                                                                                                    | #5AC    | Self-closing Anti-Capillary forceps.                                                                                          |
| #5   | Most popular style of Dumont straight forceps with fine tips which come in several styles.                                                                      | #6      | Sharply angled, broad tips.                                                                                                   |
| #55  | Similar to the #5 but with lighter shanks, giving the forceps a lighter spring action.                                                                          | #7      | Most popular style of Dumont curved forceps with fine tips which come in several styles.                                      |
| #5CO | Similar to the #55 but with even finer shanks producing the lightest spring action and longest meeting surface of any Dumont style.                             | #7B     | Curved serrated tips.                                                                                                         |
| #5L  | Medical #5 forceps with slide sleeve for a secure hold and retention.                                                                                           | AA      | Strong broad tips.                                                                                                            |
| #5SF | The finest tips ever produced by Dumont.                                                                                                                        | M       | Mini forceps.                                                                                                                 |
|      |                                                                                                                                                                 | Medical | Denotes distinctive ribbed handle to maximize grip.                                                                           |
|      |                                                                                                                                                                 | SS      | Long and narrow shanks with thin tips.                                                                                        |
|      |                                                                                                                                                                 | WA      | One piece design with no soldering grooves allows the forceps to be thoroughly and easily cleaned preventing biofilm residue. |

# PRECISION THAT MAKES A MARK



## HANDCRAFTED

Our highly skilled and experienced surgical mechanics refine and perfect our instruments in Fine Science Tools' very own workshop, a step that only we take in this manner. This is crucial for the precision and consistent quality of our products. For example, our Friedmann-Pearson rongeurs with a tip diameter of 0.5 or 0.7 mm are unique in the world.

Our spring scissors have also established themselves in the research industry and are unsurpassed in their fineness. The result: a level of quality to be proud of – and to which we have now committed ourselves to. Our "Handcrafted" symbol stands for 100% guaranteed craftsmanship and instruments that you can rely on today, tomorrow, and always.



## CUSTOM DESIGN

Whether you are seeking a personalized, one-of-a-kind instrument tailored to your specific requirements or interested in building a specialized application kit, we have the expertise and resources to deliver. Through our extensive network of expert partners and collaborations with leading institutions and companies, we offer custom-

manufactured instruments, carefully curated instrument kits, and co-branded sets designed for collaborative projects. Additionally, we provide special modifications to our existing products, ensuring a perfect fit for your unique applications. Interested? Get in touch with one of our offices – we're happy to assist you!







## QUALITY CONTROL

The exceptional quality of our surgical and microsurgical instruments is a direct result of our relentless commitment to detail and craftsmanship. Nearly every instrument we offer is meticulously crafted by skilled European artisans and engineered to exacting specifications. We use only premium Surgical Stainless Steel and subject each instrument to rigorous testing

to ensure outstanding precision, durability, and ergonomic performance. We proudly uphold Supreme German Quality Standards. At our office in Germany, experienced technicians conduct thorough inspections of our instruments.

Every detail is carefully evaluated – from tip sharpness and cutting edges to springs, joints, and overall construction.



## SCISSORS TEST

**Does paying more for a pair of scissors really buy more value and a longer cutting life?**

The picture shows our cutting test for ring scissors based on the standards and specifications of surgical instruments in our office in Heidelberg. Each pair of scissors must perform a smooth cut without tearing or fraying the material, specifically at the fine tips. In addition, a specialized long-term test is done to identify the longevity of other featured alloys and cutting edges, Tungsten Carbide

and ToughCut®. In this test the scissors will repeatedly cut through a continuous feed of cotton cloth and a counter keeps track of the number of cuts made to evaluate when the scissors begin to show a decrease in cutting quality.

The results showcase the addition of added features dramatically increases the cutting life of the scissors. Most notably, the cutting life is more than doubled with the addition of ToughCut® blades and over six times longer with our CeramaCut® feature.

# OUR RANGE OF SERVICES



## 50 YEARS OF EXPERIENCE

Leading distributor of of surgical and microsurgical instruments



## 100% SATISFACTION GUARANTEE

Full refund, if you're not satisfied



## PRODUCT AVAILABILITY

Extensive stock ensures fast delivery times



## FAST DELIVERY TIMES

2-3 days in Europe & America, 5-7 days worldwide



## TECHNICAL PRODUCT CONSULTATION

Phone- or video-calls for app-based-solutions with our experts



## CUSTOM DESIGN

Personalized & unique tailored instruments



## REPAIR AND MAINTENANCE SERVICE

Contact us or your designated representative for your personal offer



## PERSONALIZED CUSTOMER SUPPORT

Available from Monday to Friday (8 am to 5 pm)



## SUPREME GERMAN QUALITY STANDARDS

Our instruments are inspected, refined and optimized by hand



## TRADE SHOW PRESENCE

Meet us for hands-on-experience & on-site-advice; check our webshop for upcoming events

“ IF YOU ARE NOT COMPLETELY SATISFIED WITH YOUR PURCHASE, YOU MAY RETURN IT FOR A FULL REFUND. ”

Hans Gawenda, Founder  
Fine Science Tools Inc.

## SHARPENING & REPAIR

In our very own workshop in Heidelberg, Germany we not only manufacture and customize specific instruments according to customer requirements, but also offer a repair service.

- General repairs
- Sharpening
- Adjustments & corrections
- Cleaning & reconditioning
- Replacements
- Special requests & custom corrections



Our specialized sharpening service offers the highest quality and reliability to restore the original sharpness and functionality of the instrument.

Each blade undergoes a thorough inspection for wear, cracks, and other irregularities before sharpening. It is then precisely ground to the optimal angle to ensure superior cutting performance.

With our extensive expertise, we ensure your instruments are repaired with the highest precision, maximizing their longevity and efficiency.

Each instrument is carefully checked for damage, wear and functionality, followed by a quality check after repair. Our team is also available for repairs of your instruments which have not been purchased from FST®.

For do-it-yourself sharpening, we offer a kit (page 171), which includes a sharpening stone, O-rings, a bottle of instrument oil (50 ml) and a pair of flat nose pliers.



# ALLOYS & MATERIALS

There are various special alloys and materials with advanced features, that are used to produce surgical and microsurgical instruments with each having certain properties that would be advantageous in particular

environments or applications. We will introduce these alloys and materials, describe their benefits and highlight unique tools that may be ergonomic and overall helpful for your studies and/or protocols.



## ToughCut® Scissors

- Identified by black finger rings
- Last approx. 2.3x longer than Surgical Stainless Steel
- One cutting edge has micro serrations to minimize tissue slippage
- The other cutting edge has increased sharpness
- Available as ring and spring scissors



## Tungsten Carbide Instruments

- Identified by short gold-plated handles
- Last approx. 1.9x longer than Surgical Stainless Steel
- Reinforced with tungsten carbide for enhanced durability
- One of the hardest alloys available
- Available instruments: scissors, forceps, needles, needle holders and burrs

## Surgical Stainless Steel

- Used for most of our instruments
- High alloyed Surgical Stainless Steel (min. 12% chromium)
- Corrosion resistance
- Sterilizable in various ways





## CeramaCut® Scissors

- Identified by long gold-plated finger rings and a black coating
- Combine Tungsten Carbide and ToughCut® cutting edges with a ceramic coating
- Last approx. 6.6x longer than Surgical Stainless Steel
- Reduced glare
- Reduced surface tension for cleaner cuts
- Increased corrosion resistance



## Tungsten Carbide & ToughCut® Scissors

- Identified by long gold-plated finger rings
- Last approx. 4.1x longer than Surgical Stainless Steel
- Cutting edges reinforced with tungsten carbide for enhanced durability
- One cutting edge has micro serrations to minimize tissue slippage
- The other cutting edge has increased sharpness



## Titanium Instruments

- Approx. 40% lighter than Surgical Stainless Steel
- Softer alloy than Surgical Stainless Steel
- Corrosion resistance (cannot rust)
- 100% non-magnetic
- Available instruments: spring scissors, forceps, probes, hooks, spatula and vascular clamps



## Ceramic coated Instruments

- Identified by full black colour
- Last approx. 2.3x longer than Surgical Stainless Steel
- Increased corrosion resistance
- Reduced glare
- High slide capacity of ceramic reduces surface tension for cleaner cuts
- Available instruments: Dumont forceps, scissors



Learn more about  
our Alloys & Materials





# MAINTENANCE & CARE

Proper care of your surgical instruments will improve their longevity and function. Below are different cleaning, sterilization, and maintenance processes to guide you through your techniques.

- Clean and thoroughly dry your instruments as soon as possible after each use, paying special attention to joints, hinges, and anywhere there is metal to metal contact.
- Ensure that all organic material residues are completely removed.
- Handle your instruments delicately and with care.
- Use your instruments for their intended purpose.
- Store your instruments with tip protectors, and always place them so that they do not touch each other.



## CLEANING

Fine surgical instruments should be cleaned immediately after use. Blood or saline solutions left on instruments for any length of time can quickly start corrosive action. Time, temperature, and agitation play important roles in the cleaning process. Time affects the efficiency of cleaning solutions as most are effective after a certain time period. Higher temperature cleaning solutions result in better cleaning. During manual or ultrasonic cleaning it is helpful to loosen any surgical residue. Before any of the procedures below, rinse your instruments under warm running water to remove all blood and tissue. Instruments can be cleaned manually or ultrasonically, but always:

- Use a neutral pH (pH7) cleaning solution.
- Clean instruments in the open position to ensure a thorough and effective cleaning process.
- Use soft textile or paper cloths, soft plastic brushes made of nylon, or water spray bottle.
- ⚠ • Do NOT use steel wool, wire brushes, or scouring pads as these are abrasive to the instruments.



## MANUAL CLEANING

- Make sure all instruments are visibly clean and free from stains, wiping them carefully to remove all blood and tissue matter.
- Rinse instruments thoroughly with distilled water, paying close attention to joints and hinges as these areas can accumulate unwanted material.
- Air dry your instruments completely and use a can of compressed air to blow out any water at the joints and hinges. Then store them only in clean and dry environments.



## ULTRASONIC CLEANING

Ultrasonic cleaning is the most effective cleaning method. The vibrating sound waves create micron-sized bubbles in the solution that grow with the alternating pressure. When the bubbles reach a particular size, they collapse creating a force that dislodges dirt and particles, even in the smallest of crevices.

- ⚠ • NOT recommended for delicate and micro instruments.
- Follow the manufacturer's guidelines for specific instructions and cleaning cycle times.
- Instruments should be processed for the full recommended cycle time.
- Place instruments in the open position in the ultrasonic cleaner.
- ⚠ • Do NOT allow instruments with sharp blades to touch other instruments.
- ⚠ • Do NOT place dissimilar metals (stainless, copper, chrome plated) in the same cleaning cycle.
- Make sure all instruments are completely submerged.
- After the ultrasonic cleaning cycle is complete, rinse instruments thoroughly to remove all ultrasonic cleaning solution.
- Dry instruments thoroughly with a clean towel.
- Use a spray lubricant in the hinges to minimize the risk of corrosion and maintain functionality.



## STEAM STERILIZATION/AUTOCCLAVING

The autoclave process utilizes moist heat (or steam) under pressure for sterilization. The steam used must be from distilled water and free of all impurities.

- ⚠ • Lubricate all instruments that have any metal to metal interaction such as; scissors, rongeurs, needle holders, hemostats, and retractors. Do NOT use WD-40 or other industrial lubricants.
- Instruments may be autoclaved individually or in sets.
  - Individual instruments: Disposable wraps or sterilization pouches are ideal. Make sure the pouch size is sufficient for the instrument to be in an open (unlocked) position.
  - Instrument sets: Open and unlock all instruments. Place the heavier instruments on the bottom of the set when two layers are needed.
- ⚠ • Do NOT lock instruments during autoclaving. This will prevent the steam from reaching and sterilizing the metal to metal surfaces, and heat expansion during autoclaving can cause cracks in the hinge areas.
- ⚠ • Do NOT over load the autoclave chamber as this may hinder steam penetration.
- Place a towel on the bottom of the pan to absorb excess moisture during autoclaving. Make sure the towel has no detergent residue and is pH neutral if immersed in water.
- At the end of the autoclave cycle (before the drying cycle) unlock the autoclave door and open it slightly. Run the dry cycle for the recommended time period by the autoclave manufacturer.

*Please note: If the autoclave door is fully opened before the drying cycle, cold air will rush into the chamber, which can cause condensation on the instruments. This will result in water stains on the instruments.*



## HOT BEAD STERILIZATION

Recommended for speed and convenience when instrument tips or blade sterilization is required. The Hot Bead Sterilizer does not use dangerous gases, flames, or chemicals. Highlights:

- Bench top set up.
- Only 20 seconds of contact required to ensure your instruments are free of pathogens and microbial contaminants.
- Beads reach temperature of 240–270 °C (464–518 °F) within 15–20 minutes heating time.

*Please see page 174–175 for more information on the FST® Hot Bead Sterilizers.*



## ETHYLENE OXIDE (ETO) STERILIZATION

This method is recommended for instruments that will not tolerate high temperatures or moisture (e.g., catheters, cannulae, etc.). This is a process consisting of 4 primary variables; gas concentration, humidity, temperature and time.

*Wraps available, see page 176*



## STORAGE

Surgical instruments should be properly stored in a clean and dry environment. It is highly recommended to use tip protectors and instrument cases to avoid possible damage to your instruments.

*Instrument tip protectors are available, see page 182*

*Instrument cases are available, see pages 178–181*



## OXIDATION (RUST)

All FST® Surgical Stainless Steel instruments are manufactured from medical grade Stainless Steel under strict European standards. It is very important to properly take care of your instruments to extend their lifespan.

Although Surgical Stainless Steel is corrosive resistant, it can still rust or stain if handled improperly. Under unfavorable conditions instruments may oxidize because Surgical Stainless Steel that is exposed to physical, thermal, or chemical manipulations may lose some of its stainless properties.



# SCISSORS, BONE INSTRUMENTS, KNIVES & SCALPELS

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| Spring Scissors | 23 – 34 |
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| Fine Scissors | 35 – 48 |
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| Knives & Scalpels | 70 – 81 |
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### Vannas

These Vannas-style spring scissors have the smallest blades ever produced. They are ideal where space is restricted and where absolute precision is demanded.



### Vannas

The short taper is ideal for small, precise cuts.



### Vannas

The long taper is ideal for cutting vessel walls or when a longer cutting edge is needed.



#### Straight Sharp/Sharp

8 cm  
Cutting edge: 2.5 mm  
Tip Ø: 0.05 mm

**No. 15000-08**



#### Straight Sharp/Sharp

8 cm  
Cutting edge: 2 mm  
Tip Ø: 0.05 mm

**No. 15000-03**



#### Curved Sharp/Sharp

8 cm  
Cutting edge: 2 mm  
Tip Ø: 0.05 mm

**No. 15000-04**



#### Curved Sharp/Sharp

8 cm  
Cutting edge: 2.5 mm  
Tip Ø: 0.05 mm

**No. 15001-08**



#### Angled to side Sharp/Sharp

8 cm  
Cutting edge: 2.5 mm  
Tip Ø: 0.05 mm

**No. 15002-08**



#### Straight Sharp/Sharp

8 cm  
Cutting edge: 3 mm  
Tip Ø: 0.05 mm

**No. 15000-00**



#### Curved Sharp/Sharp

8 cm  
Cutting edge: 3 mm  
Tip Ø: 0.05 mm

**No. 15000-10**

Vannas-Tübingen



**Straight  
Sharp/Sharp**

8.5 cm  
Cutting edge: 5 mm  
Tip Ø: 0.05 mm

**No. 15003-08**



**Angled up  
Sharp/Sharp**

8.5 cm  
Cutting edge: 5 mm  
Tip Ø: 0.05 mm

**No. 15005-08**



**Curved  
Sharp/Sharp**

8.5 cm  
Cutting edge: 5 mm  
Tip Ø: 0.05 mm

**No. 15004-08**



**Angled to side  
Sharp/Sharp**

8.5 cm  
Cutting edge: 5 mm  
Tip Ø: 0.05 mm

**No. 15008-08**

Vannas Highly Polished

The highly polished surface makes the scissors more resistant to corrosion and easier to clean. It also prevents tissue from sticking on it while operating, it's also called non-sticky surface.



**Straight  
Sharp/Sharp**

8.5 cm  
Cutting edge: 5 mm  
Tip Ø: 0.05 mm

**No. 15903-08**



**Curved  
Sharp/Sharp**

8.5 cm  
Cutting edge: 5 mm  
Tip Ø: 0.05 mm

**No. 15904-08**

Vannas Round Handled

The round handle allows an easy finger adjustment during the application. The hollow grind in the handle reduces the weight. The fine blades are tapered to give a better overview.



**Straight  
Sharp/Sharp**

9 cm  
Cutting edge: 5 mm  
Tip Ø: 0.05 mm

**No. 15403-08**



**Curved  
Sharp/Sharp**

9 cm  
Cutting edge: 5 mm  
Tip Ø: 0.05 mm

**No. 15404-08**

### Vannas with Microserrations

Microserrated to minimize slippage.



#### Straight Sharp/Sharp

9 cm  
Cutting edge: 8 mm  
Tip Ø: 0.1 mm

**No. 15007-08**



#### Straight Sharp/Sharp

8.5 cm  
Cutting edge: 5 mm  
Tip Ø: 0.1 mm

**No. 15070-08**



#### Curved Sharp/Sharp

8.5 cm  
Cutting edge: 5 mm  
Tip Ø: 0.1 mm

**No. 15071-08**



#### Straight Sharp/Sharp

8 cm  
Cutting edge: 5 mm  
Tip Ø: 0.1 mm

**No. 15044-08**



#### Curved Sharp/Sharp

8 cm  
Cutting edge: 5 mm  
Tip Ø: 0.1 mm

**No. 15043-08**



### Vannas

### Vannas

Ultra long cutting edge without  
sacrificing tip width.



#### Straight Sharp/Sharp

9 cm  
Cutting edge: 8 mm  
Tip Ø: 0.1 mm

**No. 15009-08**

## SPRING SCISSORS

## Vannas

Finished under high magnification, these tips are especially useful when incising vessel walls for catheter insertion.

Moria



Moria 9600



**Straight  
Sharp/Sharp**

8 cm  
Cutting edge: 5 mm  
Tip Ø: 0.15 mm

No. 15396-00



**Curved  
Sharp/Sharp**

8 cm  
Cutting edge: 5 mm  
Tip Ø: 0.15 mm

No. 15396-01

## Vannas Titanium



**Straight  
Sharp/Sharp**

9.5 cm  
Cutting edge: 5 mm  
Tip Ø: 0.3 mm

No. 15610-08



**Curved  
Sharp/Sharp**

9.5 cm  
Cutting edge: 5 mm  
Tip Ø: 0.3 mm

No. 15615-08



**Angled up  
Sharp/Sharp**

9.5 cm  
Cutting edge: 5 mm  
Tip Ø: 0.3 mm

No. 15617-08

## Cohan-Vannas

Long cutting blades for a more controlled cut.



**Straight  
Sharp/Sharp**

6 cm  
Cutting edge: 6 mm  
Tip Ø: 0.1 mm

No. 15000-02



**Curved  
Sharp/Sharp**

6 cm  
Cutting edge: 6 mm  
Tip Ø: 0.1 mm

No. 15000-01



**Straight  
Blunt/Blunt**

6 cm  
Cutting edge: 6 mm  
Tip Ø: 0.3 mm

No. 15000-12



**Curved  
Blunt/Blunt**

6 cm  
Cutting edge: 6 mm  
Tip Ø: 0.3 mm

No. 15000-11

Micro

Ceramic Coated

Ceramic Coated Titanium



**Straight  
Sharp/Sharp**

10 cm  
Cutting edge: 7 mm  
Tip Ø: 0.1 mm

**No. 15024-10**



**Straight  
Sharp/Sharp**

10 cm  
Cutting edge: 7 mm  
Tip Ø: 0.1 mm

**No. 15750-11**



**Curved  
Sharp/Sharp**

10 cm  
Cutting edge: 7 mm  
Tip Ø: 0.1 mm

**No. 15751-11**



**Straight  
Sharp/Sharp**

11 cm  
Cutting edge: 5 mm  
Tip Ø: 0.2 mm

**No. 15650-11**



**Curved  
Sharp/Sharp**

11 cm  
Cutting edge: 5 mm  
Tip Ø: 0.2 mm

**No. 15651-11**



**Straight  
Blunt/Blunt**

10 cm  
Cutting edge: 7 mm  
Tip Ø: 0.3 mm

**No. 15025-10**



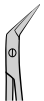
**Curved  
Sharp/Sharp**

10 cm  
Cutting edge: 7 mm  
Tip Ø: 0.1 mm

**No. 15023-10**



### Castroviejo



**Angled to side  
Sharp/Sharp**

10 cm  
Cutting edge: 10 mm  
Tip Ø: 0.1 mm

**No. 15006-09**

### Castroviejo with Ball Tip

Same as No. 15006-09 but with a ball tip (Ø 1.3 mm) to prevent piercing of underlying tissue.



**Angled to side  
Sharp/Ball tip**

10 cm  
Cutting edge: 8 mm  
Tip Ø: 1.3 mm

**No. 15033-09**

### Castroviejo



**Curved  
Sharp/Sharp**

11 cm  
Cutting edge: 10 mm  
Tip Ø: 0.2 mm

**No. 15017-10**

Vannas

Moria



Moria MC52



**Straight  
Sharp/Sharp**

10 cm  
Cutting edge: 7 mm  
Tip Ø: 0.15 mm

**No. 15370-52**

Moria MC50



**Curved  
Sharp/Sharp**

10 cm  
Cutting edge: 7 mm  
Tip Ø: 0.15 mm

**No. 15370-50**

Angled Up

These spring scissors aid in cutting tissues from various angles.



**Angled up  
Sharp/Sharp**

9.5 cm  
Cutting edge: 2 mm  
Tip Ø: 0.1 mm

**No. 15010-09**



**Angled up  
Sharp/Sharp**

10 cm  
Cutting edge: 4 mm  
Tip Ø: 0.1 mm

**No. 15010-10**

Dowell



**Straight  
Sharp/Sharp**

11.5 cm  
Cutting edge: 10 mm  
Tip Ø: 0.1 mm

**No. 15040-11**



**Angled up  
Sharp/Sharp**

11.5 cm  
Cutting edge: 10 mm  
Tip Ø: 0.1 mm

**No. 15042-11**

## Vannas Long Handle



**Straight  
Sharp/Sharp**

10 cm  
Cutting edge: 4 mm  
Tip Ø: 0.1 mm

**No. 15018-10**



**Curved  
Sharp/Sharp**

10 cm  
Cutting edge: 4 mm  
Tip Ø: 0.1 mm

**No. 15019-10**

## Westcott



**Curved  
Sharp/Sharp**

11 cm  
Cutting edge: 15 mm  
Tip Ø: 0.2 mm

**No. 15015-11**

## Pascheff-Wolff

Very delicate blades.

**Moria**



**Angled up  
Sharp/Sharp**

10.5 cm  
Cutting edge: 3 mm  
Tip Ø: 0.15 mm

**No. 15371-92**

*Moria MC19/B*

## Noyes



**Straight  
Sharp/Sharp**

12 cm  
Cutting edge: 14 mm  
Tip Ø: 0.2 mm

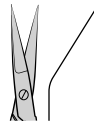
**No. 15012-12**



**Curved  
Sharp/Sharp**

12 cm  
Cutting edge: 14 mm  
Tip Ø: 0.2 mm

**No. 15011-12**



**Angled up  
Sharp/Sharp**

12 cm  
Cutting edge: 14 mm  
Tip Ø: 0.2 mm

**No. 15013-12**

## Noyes Tungsten Carbide

Tungsten carbide cutting edges provide long lasting sharpness.



**Straight  
Sharp/Sharp**

12 cm  
Cutting edge: 14 mm  
Tip Ø: 0.2 mm

**No. 15514-12**

**Micro 2000 ToughCut®**



**Straight  
Sharp/Sharp**

12.5 cm  
Cutting edge: 6 mm  
Tip Ø: 0.3 mm

**No. 15124-12**



**Curved  
Sharp/Sharp**

12.5 cm  
Cutting edge: 6 mm  
Tip Ø: 0.3 mm

**No. 15123-12**

**Vannas Round Handled**

Round handles allow easy fingertip adjustments.



**Straight  
Sharp/Sharp**

12.5 cm  
Cutting edge: 6 mm  
Tip Ø: 0.05 mm

**No. 15400-12**

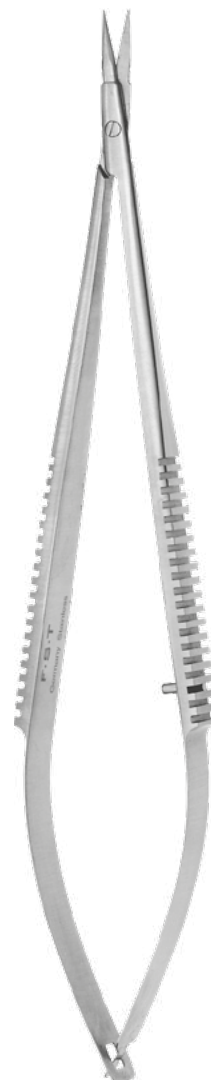


**Curved  
Sharp/Sharp**

12.5 cm  
Cutting edge: 6 mm  
Tip Ø: 0.05 mm

**No. 15401-12**

**Micro**



**Straight  
Sharp/Sharp**

14 cm  
Cutting edge: 6 mm  
Tip Ø: 0.1 mm

**No. 15020-15**



**Curved  
Sharp/Sharp**

14 cm  
Cutting edge: 6 mm  
Tip Ø: 0.1 mm

**No. 15021-15**



### Clipper

For microscopic dissections of soft and mucous tissue. The minute fineness of the blades allows clear visualization of the tissue being dissected.



#### Uses:

- Removing sheath of ganglia to access neurons in aplysia.
- Cutting single nerve axons in aplysia, mollusk and snail.
- Stripping fascia off arteries and muscles.
- Ultra fine brain tissue dissection.
- Cutting of minute fiber optic strands.



#### Straight Sharp/Sharp

8 cm  
Cutting edge: 3 mm  
Tip Ø: 0.05 mm  
Blade shape: Triangular

No. 15200-00

### Trident II

Special design with short handle and inner spring.



#### Straight Sharp/Sharp

8 cm  
Cutting edge: 8 mm  
Tip Ø: 0.2 mm

No. 15110-08



#### Angled to side Sharp/Sharp

8 cm  
Cutting edge: 8 mm  
Tip Ø: 0.2 mm

No. 15111-08

## Micro with Pen-Type Handle

With microserrations to minimize slippage.



**Straight  
Sharp/Sharp**

14.5 cm  
Cutting edge: 2.5 mm  
Tip Ø: 0.3 mm

**No. 15030-14**



**Angled to side  
Sharp/Sharp**

14.5 cm  
Cutting edge: 2.5 mm  
Tip Ø: 0.3 mm

**No. 15031-14**

## Micro with Pen-Type Handle

The finest blades on spring scissors. Designed for ophthalmic surgery (vitrectomy). The spring handles are made of ribbed plastic to ensure a solid grip. **Autoclavable.**



**Straight  
Sharp/Sharp**

14 cm  
Cutting edge: 2.2 mm  
Tip Ø: 0.05 mm

**No. 15036-14**



**Angled to side 90°  
Sharp/Sharp**

14 cm  
Cutting edge: 1 mm  
Tip Ø: 0.05 mm

**No. 15037-14**

**Bonn-Gawenda**

The innovative Bonn-Gawenda Scissors from our Exclusive Line combine a precise cutting edge, similar to our spring scissors and our ToughCut® feature which ensures an exact cut without slipping. These scissors have perfect tips for precision work under a microscope. Designed with comfort and ergonomics in mind, the large finger loops and specially engineered handle ensure exceptional control throughout each use.



**Straight  
Sharp/Sharp**

10.5 cm  
Cutting edge: 10 mm

**No. 14854-10**



**Curved  
Sharp/Sharp**

10.5 cm  
Cutting edge: 10 mm

**No. 14855-10**

**Bonn**

Our finest iris scissors, best suited for microdissection under high magnification.



**Straight  
Sharp/Sharp**

9 cm  
Cutting edge: 10 mm

**No. 14084-08**



**Curved  
Sharp/Sharp**

9 cm  
Cutting edge: 10 mm

**No. 14085-08**



**Straight  
Sharp/Blunt**

9 cm  
Cutting edge: 10 mm

**No. 14083-08**

**Bonn Highly Polished**

Highly polished.

**Straight  
Sharp/Sharp**9 cm  
Cutting edge: 10 mm**No. 14184-09****Curved  
Sharp/Sharp**9 cm  
Cutting edge: 10 mm**No. 14185-09****Bonn-Strabismus ToughCut®**

A fusion of two light and delicate iris scissors with ToughCut cutting edges.

**Straight  
Blunt/Blunt**8.5 cm  
Cutting edge: 10 mm**No. 14084-09****Curved  
Blunt/Blunt**8.5 cm  
Cutting edge: 10 mm**No. 14085-09****Iris Partly Polished**

These scissors have an anti-reflective finish to reduce glare.

**Straight  
Sharp/Sharp**9 cm  
Cutting edge: 16 mm**No. 14090-09****Curved  
Sharp/Sharp**9 cm  
Cutting edge: 16 mm**No. 14091-09**11 cm  
Cutting edge: 16 mm**No. 14090-11**11 cm  
Cutting edge: 16 mm**No. 14091-11**

**Iris Sandblasted**

Made from Martensitic Surgical Stainless Steel, combined with Molybdenum and Vanadium.

**Iris**

Delicate pattern.

**Straight  
Sharp/Sharp**

9 cm  
Cutting edge: 16 mm

**No. 14060-09**

**Curved  
Sharp/Sharp**

9 cm  
Cutting edge: 16 mm

**No. 14061-09**

**Curved to side  
Sharp/Sharp**

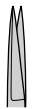
9 cm  
Cutting edge: 16 mm

**No. 14062-09**

**Angled to side  
Sharp/Sharp**

9 cm  
Cutting edge: 16 mm

**No. 14063-09**

**Straight  
Sharp/Sharp**

10.5 cm  
Cutting edge: 16 mm

**No. 14094-11**

**Curved  
Sharp/Sharp**

10.5 cm  
Cutting edge: 16 mm

**No. 14095-11**

10.5 cm

Cutting edge: 16 mm

**No. 14060-10**

10.5 cm

Cutting edge: 16 mm

**No. 14061-10**

10.5 cm

Cutting edge: 16 mm

**No. 14062-10**

11.5 cm

Cutting edge: 16 mm

**No. 14060-11**

11.5 cm

Cutting edge: 16 mm

**No. 14061-11**



## Iris Left Handed



**Straight  
Sharp/Sharp**

11.5 cm  
Cutting edge: 18 mm

**No. 14160-10**



**Curved  
Sharp/Sharp**

11.5 cm  
Cutting edge: 18 mm

**No. 14161-10**

## Moria Iris

**Moria**



*Moria 4877A*



**Straight  
Sharp/Sharp**

10 cm  
Cutting edge: 16 mm

**No. 14370-22**

## Iris Extra Narrow

Extra narrow, delicate pattern. Very slim blades with gentle cutting action.



**Straight  
Sharp/Sharp**

10.5 cm  
Cutting edge: 16 mm

**No. 14088-10**

## Iris Large Loops



**Straight  
Sharp/Sharp**

10 cm  
Cutting edge: 16 mm

**No. 14040-10**



**Curved  
Sharp/Sharp**

10 cm  
Cutting edge: 16 mm

**No. 14041-10**

## Wagner



14070-12  
14071-12



**Straight  
Sharp/Sharp**

12 cm  
Cutting edge: 20 mm

**No. 14068-12**



**Curved  
Sharp/Sharp**

12 cm  
Cutting edge: 20 mm

**No. 14069-12**



**Straight  
Sharp/Sharp**

12 cm  
Cutting edge: 20 mm

**No. 14070-12**



**Curved  
Sharp/Sharp**

12 cm  
Cutting edge: 20 mm

**No. 14071-12**

## Iris ToughCut®



**MOST  
POPULAR**



**TOUGH  
CUT**



**Straight  
Sharp/Sharp**

9 cm  
Cutting edge: 16 mm

**No. 14058-09**

11.5 cm  
Cutting edge: 16 mm

**No. 14058-11**



**Curved  
Sharp/Sharp**

9 cm  
Cutting edge: 16 mm

**No. 14059-09**

11.5 cm  
Cutting edge: 16 mm

**No. 14059-11**

## Iris Tungsten Carbide



**MOST  
POPULAR**



**TUNGSTEN  
CARBIDE**



**Straight  
Sharp/Sharp**

9 cm  
Cutting edge: 16 mm

**No. 14568-09**

11.5 cm  
Cutting edge: 16 mm

**No. 14568-12**



**Curved  
Sharp/Sharp**

9 cm  
Cutting edge: 16 mm

**No. 14569-09**

11.5 cm  
Cutting edge: 16 mm

**No. 14569-12**

### Iris ToughCut® and Tungsten Carbide



**Straight  
Sharp/Sharp**

9 cm

Cutting edge: 16 mm

**No. 14558-09**



**Curved  
Sharp/Sharp**

9 cm

Cutting edge: 16 mm

**No. 14559-09**

11.5 cm

Cutting edge: 16 mm

**No. 14558-11**

11.5 cm

Cutting edge: 16 mm

**No. 14559-11**

### Iris CeramaCut®

These ceramic-coated scissors are the cleanest cutting, longest lasting scissors ever produced. Utilizing the unique properties of a ceramic coating, they will last 6x longer than Tungsten Carbide instruments and cut even better than ToughCut® scissors. The black, corrosion-resistant coating has a non-glare finish.



**Straight  
Sharp/Sharp**

9 cm

Cutting edge: 16 mm

**No. 14958-09**



**Curved  
Sharp/Sharp**

9 cm

Cutting edge: 16 mm

**No. 14959-09**

11.5 cm

Cutting edge: 16 mm

**No. 14958-11**

11.5 cm

Cutting edge: 16 mm

**No. 14959-11**

## Iris



**Straight  
Sharp/Blunt**

10 cm  
Cutting edge: 17 mm

**No. 14028-10**



**Curved  
Sharp/Blunt**

10 cm  
Cutting edge: 17 mm

**No. 14029-10**

## Lexer-Baby



**Straight  
Blunt/Blunt**

10 cm  
Cutting edge: 16 mm

**No. 14078-10**



**Curved  
Blunt/Blunt**

10 cm  
Cutting edge: 16 mm

**No. 14079-10**



## Metzenbaum Mini



14574-09  
14575-09



**Straight**  
**Blunt/Blunt**

9 cm  
Cutting edge: 12 mm

**No. 14074-09**



**Curved**  
**Blunt/Blunt**

9 cm  
Cutting edge: 12 mm

**No. 14075-09**

9 cm  
Cutting edge: 12 mm

**No. 14574-09**

9 cm  
Cutting edge: 12 mm

**No. 14575-09**

## Metzenbaum Baby Tungsten Carbide



**Straight**  
**Blunt/Blunt**

11 cm  
Cutting edge: 20 mm

**No. 14574-11**



**Curved**  
**Blunt/Blunt**

11 cm  
Cutting edge: 20 mm

**No. 14575-11**

### Strabismus

### Walton

### Stevens



**Straight  
Blunt/Blunt**

11.5 cm  
Cutting edge: 20 mm

**No. 14074-11**



**Curved  
Blunt/Blunt**

11.5 cm  
Cutting edge: 20 mm

**No. 14075-11**



**Curved  
Sharp/Sharp**

10 cm  
Cutting edge: 10 mm

**No. 14077-09**



**Curved  
Sharp/Sharp**

10 cm  
Cutting edge: 10 mm

**No. 14077-10**



**Straight  
Sharp/Sharp**

11.5 cm  
Cutting edge: 13 mm

**No. 14064-11**



**Curved  
Sharp/Sharp**

11.5 cm  
Cutting edge: 13 mm

**No. 14065-11**

11.5 cm  
Cutting edge: 13 mm

**No. 14066-11**

11.5 cm  
Cutting edge: 13 mm

**No. 14067-11**

**LaGrange**

One edge is serrated to minimize slippage of tissue during cutting.  
Curved handle helps when cutting from an awkward angle.



**Curved  
Sharp/Sharp**

11.5 cm  
Cutting edge: 12 mm

**No. 14173-12**

**Shea**

Transplant scissors with light and delicate pattern.



**Curved  
Blunt/Blunt**

12 cm  
Cutting edge: 16 mm

**No. 14105-12**

## FINE SCISSORS

**Dissecting**

Slim blades for cutting tissue.



**Angled to side  
Sharp/Sharp**

10 cm  
Cutting edge: 6 mm

**No. 14081-09**

**Dissecting**

Similar to 14081-09, but with stronger blades for cutting fine bone.



**Angled to side  
Sharp/Sharp**

10 cm  
Cutting edge: 8 mm

**No. 14082-09**

**Spencer Ligature**

Used for cutting stitches or suture.



**Straight  
Blunt/Blunt**

9 cm  
Cutting edge: 16 mm

**No. 14076-09**

**Bonn Vascular**

Iris scissors with one ball tip to prevent piercing of underlying tissue.



**Straight  
Sharp/Ball tip**

9 cm  
Cutting edge: 10 mm  
1.5 mm Ball Diameter

**No. 14086-09**



**Straight  
Sharp/Ball tip**

11.5 cm  
Cutting edge: 16 mm  
1.5 mm Ball Diameter

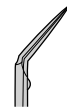
**No. 14080-11**

**Tissue Separating**

**Straight  
Blunt/Blunt**

11.5 cm  
Cutting edge: 16 mm

**No. 14072-10**

**Wilmer**

**Angled up  
Sharp/Sharp**

10 cm  
Cutting edge: 12 mm

**No. 14037-10**

## FINE SCISSORS

**Stevens with Adjustable Loops**

**Straight  
Blunt/Blunt**

10 cm  
Cutting edge: 8 mm

**No. 14108-09**

**Iris with Adjustable Loops**

The finger loops can be enlarged to fit almost any size.



**Straight  
Sharp/Sharp**

9.5 cm  
Cutting edge: 8 mm

**No. 14106-09**

**Kaye with Adjustable Loops**

These scissors have semi-sharp outer edges to better facilitate dissection.



**Curved  
Blunt/Blunt**

10.5 cm  
Cutting edge: 14 mm

**No. 14171-10**



### Standard Surgical

Our standard surgical scissors are recognized for these important features:

- Excellent feel and handling capability.
- Overall execution that marks them as fine examples of German craftsmanship.






**MOST  
POPULAR**






**LEFT-HANDED**

14008-14



| Length<br>(cm) | Cutting edge<br>(mm) | <br>Straight<br>Sharp / Sharp | <br>Straight<br>Sharp / Blunt | <br>Straight<br>Blunt / Blunt |
|----------------|----------------------|----------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| 12             | 26                   | No. 14002-12                                                                                                   | No. 14001-12                                                                                                     | No. 14000-12                                                                                                     |
| 13             | 28                   | No. 14002-13                                                                                                   | No. 14001-13                                                                                                     | No. 14000-13                                                                                                     |
| 14.5           | 30                   | No. 14002-14                                                                                                   | No. 14001-14                                                                                                     | No. 14000-14                                                                                                     |
| 16.5           | 36                   | No. 14002-16                                                                                                   | No. 14001-16                                                                                                     | No. 14000-16                                                                                                     |
| 18.5           | 40                   |                                                                                                                | No. 14001-18                                                                                                     | No. 14000-18                                                                                                     |
| 20             | 44                   |                                                                                                                |                                                                                                                  | No. 14000-20                                                                                                     |

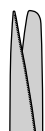
| Length<br>(cm) | Cutting edge<br>(mm) | Straight<br>Sharp / Blunt |
|----------------|----------------------|---------------------------|
| 14.5           | 30                   | No. 14008-14              |

| Length<br>(cm) | Cutting edge<br>(mm) | <br>Curved<br>Sharp / Sharp | <br>Curved<br>Sharp / Blunt | <br>Curved<br>Blunt / Blunt |
|----------------|----------------------|----------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| 12             | 26                   | No. 14005-12                                                                                                   | No. 14004-12                                                                                                     | No. 14003-12                                                                                                     |
| 13             | 28                   | No. 14005-13                                                                                                   | No. 14004-13                                                                                                     | No. 14003-13                                                                                                     |
| 14.5           | 30                   | No. 14005-14                                                                                                   | No. 14004-14                                                                                                     | No. 14003-14                                                                                                     |
| 16.5           | 36                   | No. 14005-16                                                                                                   | No. 14004-16                                                                                                     | No. 14003-16                                                                                                     |
| 18.5           | 40                   |                                                                                                                | No. 14004-18                                                                                                     | No. 14003-18                                                                                                     |
| 20             | 44                   |                                                                                                                |                                                                                                                  | No. 14003-20                                                                                                     |

**Standard Surgical ToughCut®**



75% of  
actual size



**Straight  
Sharp/Blunt**

13 cm  
Cutting edge: 28 mm

**No. 14054-13**



**Straight  
Sharp/Blunt**

17.5 cm  
Cutting edge: 42 mm

**No. 14130-17**



**Straight  
Sharp/Sharp**

14.5 cm  
Cutting edge: 34 mm

**No. 14502-14**



**Straight  
Sharp/Blunt**

14.5 cm  
Cutting edge: 34 mm

**No. 14501-14**



**Curved  
Sharp/Sharp**

14.5 cm  
Cutting edge: 34 mm

**No. 14505-14**



**Curved  
Sharp/Blunt**

14.5 cm  
Cutting edge: 34 mm

**No. 14504-14**

**Standard Surgical Tungsten Carbide**

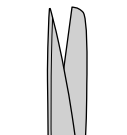


75% of  
actual size

**Standard Surgical  
with Serrations**



75% of  
actual size



**Straight  
Sharp/Blunt**

14 cm  
Cutting edge: 30 mm

**No. 14007-14**

**Standard Surgical with Large Finger Loops**

These finger loops are approximately 1.5 x larger  
than our standard surgical scissors.



80% of  
actual size



**Straight  
Sharp/Blunt**

14.5 cm  
Cutting edge: 30 mm

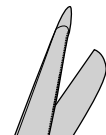
**No. 14101-14**

**Lister**

Excellent skin cutting scissors. Longer, blunt  
blade prevents damaging tissue underneath  
skin without losing the cutting line.



80% of  
actual size



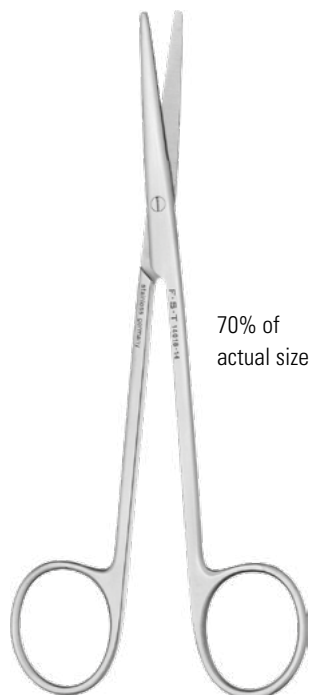
**Angled to side  
Blunt/Blunt**

14 cm  
Cutting edge: 26 mm

**No. 14131-14**

**Metzenbaum Fino**

**Metzenbaum Fino Tungsten Carbide**



70% of  
actual size



**Straight  
Blunt/Blunt**

13 cm  
Cutting edge: 20 mm

**No. 14018-13**



**Curved  
Blunt/Blunt**

13 cm  
Cutting edge: 20 mm

**No. 14019-13**

14.5 cm

Cutting edge: 22 mm

**No. 14018-14**

14.5 cm

Cutting edge: 22 mm

**No. 14019-14**

18 cm

Cutting edge: 24 mm

**No. 14018-18**

18 cm

Cutting edge: 24 mm

**No. 14019-18**



80% of  
actual size



**Straight  
Ultra fine Blunt/  
Blunt**

14.5 cm  
Cutting edge: 22 mm

**No. 14508-15**



**Straight  
Blunt/Blunt**

14.5 cm  
Cutting edge: 22 mm

**No. 14518-14**



**Curved  
Ultra fine Blunt/  
Blunt**

14.5 cm  
Cutting edge: 22 mm

**No. 14509-15**



**Curved  
Blunt/Blunt**

14.5 cm  
Cutting edge: 22 mm

**No. 14519-14**

18 cm

Cutting edge: 24 mm

**No. 14518-18**

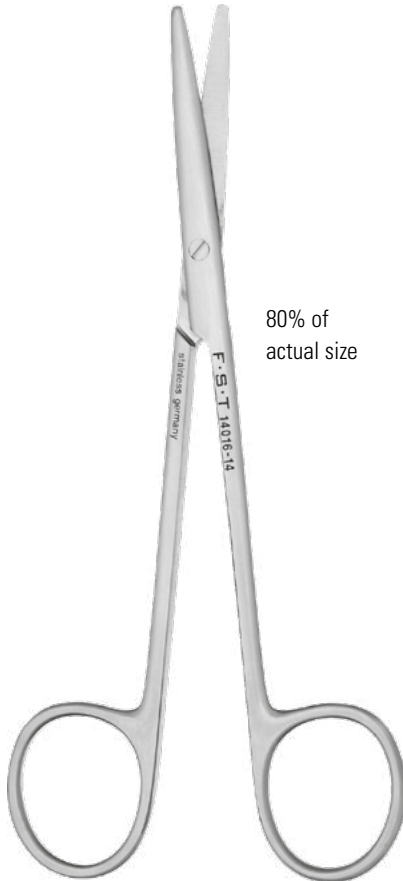
18 cm

Cutting edge: 24 mm

**No. 14519-18**

## Metzenbaum

## Metzenbaum ToughCut®



80% of  
actual size



80% of  
actual size



**Straight  
Sharp/Blunt**

14.5 cm  
Cutting edge: 22 mm

**No. 14024-14**



**Straight  
Blunt/Blunt**

14.5 cm  
Cutting edge: 22 mm

**No. 14016-14**



**Curved  
Blunt/Blunt**

14.5 cm  
Cutting edge: 22 mm

**No. 14017-14**

18 cm  
Cutting edge: 24 mm

**No. 14016-18**

18 cm  
Cutting edge: 24 mm

**No. 14017-18**



**Straight  
Blunt/Blunt**

14.5 cm  
Cutting edge: 22 mm

**No. 14116-14**



**Curved  
Blunt/Blunt**

14.5 cm  
Cutting edge: 22 mm

**No. 14117-14**

18 cm  
Cutting edge: 24 mm

**No. 14116-18**

18 cm  
Cutting edge: 24 mm

**No. 14117-18**

Mayo

Mayo ToughCut®

Mayo Tungsten Carbide



14512-15 & 14512-17



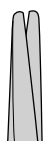
80% of  
actual size



80% of  
actual size



80% of  
actual size

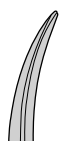


**Straight  
Blunt/Blunt**

15 cm

Cutting edge: 28 mm

**No. 14010-15**

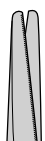


**Curved  
Blunt/Blunt**

15 cm

Cutting edge: 28 mm

**No. 14011-15**



**Straight  
Blunt/Blunt**

14.5 cm

Cutting edge: 28 mm

**No. 14110-15**

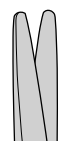


**Curved  
Blunt/Blunt**

14.5 cm

Cutting edge: 28 mm

**No. 14111-15**



**Straight  
Blunt/Blunt**

15 cm

Cutting edge: 28 mm

**No. 14510-15**



**Curved  
Blunt/Blunt**

15 cm

Cutting edge: 28 mm

**No. 14511-15**



**Straight  
Blunt/Blunt**

15 cm

Cutting edge: 28 mm

**No. 14512-15**

17 cm

Cutting edge: 32 mm

**No. 14010-17**

17 cm

Cutting edge: 32 mm

**No. 14011-17**

17 cm

Cutting edge: 32 mm

**No. 14110-17**

17 cm

Cutting edge: 32 mm

**No. 14111-17**

17 cm

Cutting edge: 32 mm

**No. 14510-17**

17 cm

Cutting edge: 32 mm

**No. 14511-17**

17 cm

Cutting edge: 32 mm

**No. 14512-17**



**Mayo-Stille**

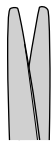
**Mayo-Noble**

**Standard Surgical with Stop**

Stop guard at tips to prevent slippage.



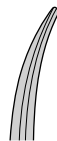
80% of  
actual size



**Straight  
Blunt/Blunt**

15 cm  
Cutting edge: 28 mm

**No. 14012-15**



**Curved  
Blunt/Blunt**

15 cm  
Cutting edge: 28 mm

**No. 14013-15**



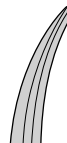
80% of  
actual size



**Straight  
Blunt/Blunt**

17 cm  
Cutting edge: 30 mm

**No. 14014-17**



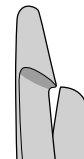
**Curved  
Blunt/Blunt**

17 cm  
Cutting edge: 30 mm

**No. 14015-17**



65% of  
actual size



**Straight  
Blunt/Blunt**

21 cm  
Cutting edge: 50 mm

**No. 14200-21**

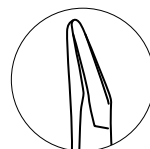
## RONGEURS

## Friedmann-Pearson

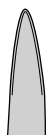
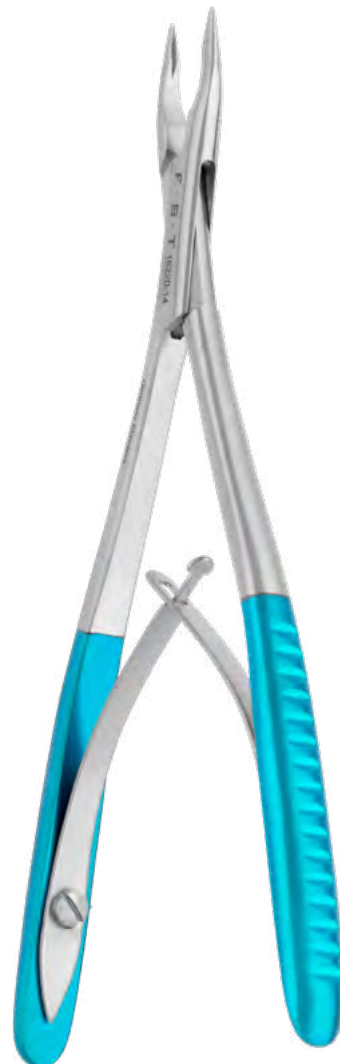
Experience the unparalleled precision of our flagship rongeur which features a specialized 0.5 mm cup diameter, tailored for the finest research techniques. These rongeurs guarantee effortless cutting while ensuring captured tissue remains secure and intact.



The fine rongeur tips shown on this page are extremely fragile. Removal of material with a twisting motion can damage the tips.



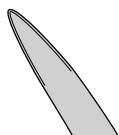
Magnified View



Straight

14 cm  
Cup size: 0.5 mm

No. 16220-14



Curved

14 cm  
Cup size: 0.5 mm

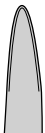
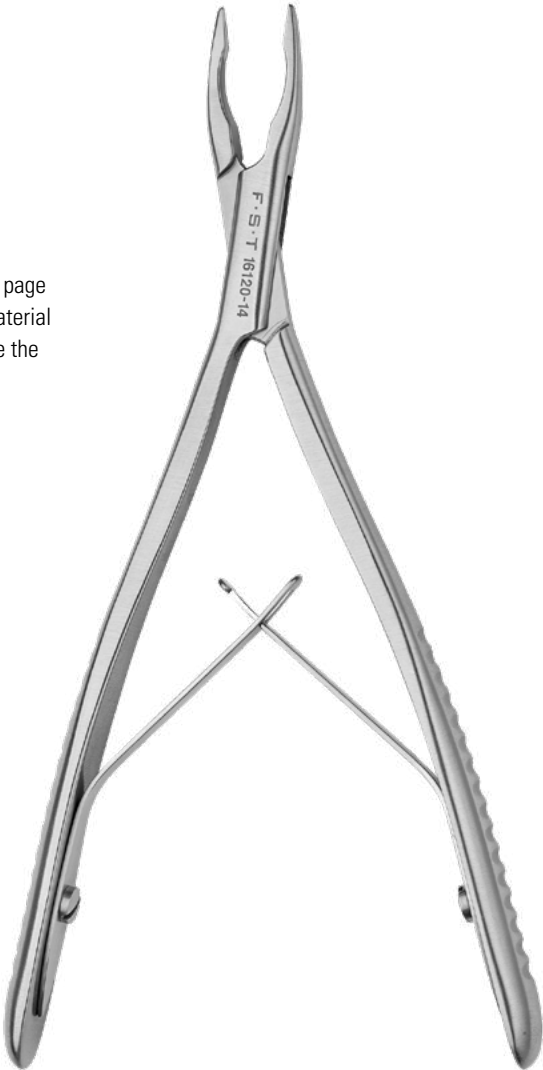
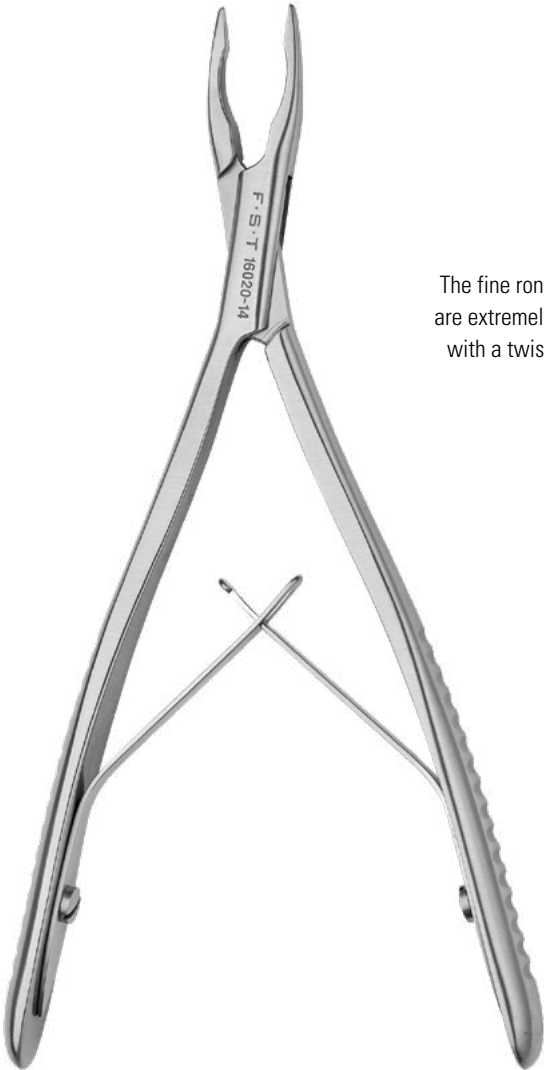
No. 16221-14

Friedmann-Pearson

Best suited for delicate work, this is one of our finest tip rongeurs in our product line. The fine-cupped jaws have been designed with a longer and slimmer approach for better visibility.



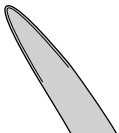
The fine rongeur tips shown on this page are extremely fragile. Removal of material with a twisting motion can damage the tips.



**Straight**

14 cm  
Cup size: 0.7 mm

**No. 16120-14**



**Curved**

14 cm  
Cup size: 0.7 mm

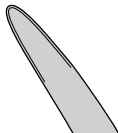
**No. 16121-14**



**Straight**

14 cm  
Cup size: 1 mm

**No. 16020-14**



**Curved**

14 cm  
Cup size: 1 mm

**No. 16021-14**

# RONGEURS

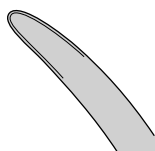
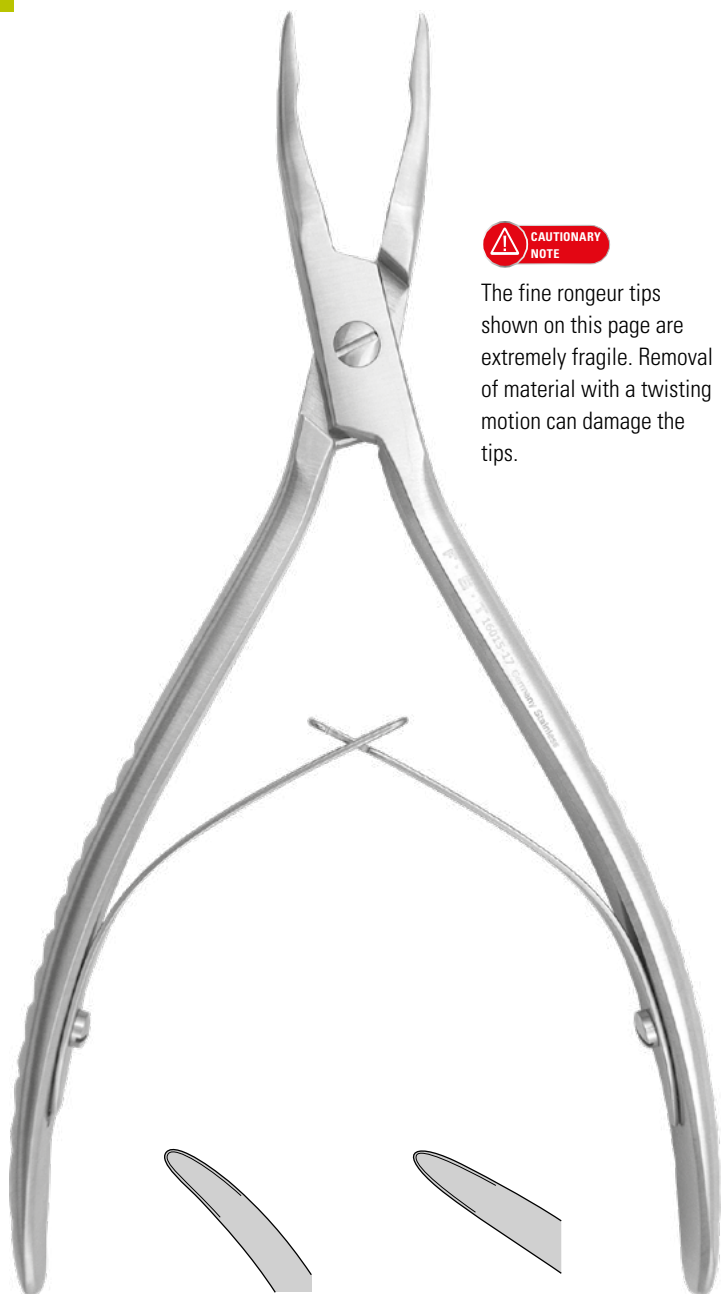
## Pearson

Provides excellent visibility at dissection site due to its extra long and narrow approach to the fine cutting jaws. Especially suitable for larger hands.



**CAUTIONARY  
NOTE**

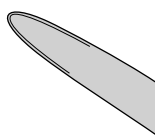
The fine rongeur tips shown on this page are extremely fragile. Removal of material with a twisting motion can damage the tips.



**Shallow bend**

17 cm  
Cup size: 1 mm

**No. 16015-17**

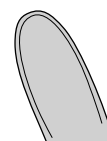


**Sharp bend**

17 cm  
Cup size: 1.2 mm

**No. 16016-17**

## Luer



**Curved**

15 cm  
Cup size: 4 mm

**No. 16001-15**

**Mini-Friedmann**

Strong and large jaws are ideal for use on the harder, outer regions of the spinal cord. Also can be used to gain access to delicate structures encased in bone.



**Curved**  
12.5 cm  
Cup size: 2.5 mm  
**No. 16000-14**

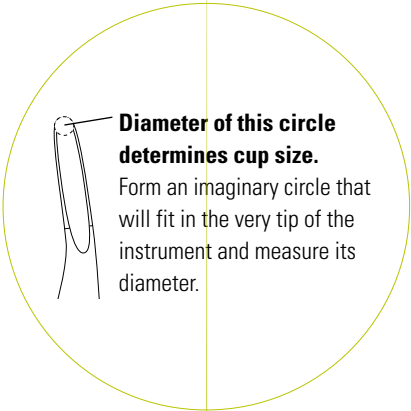
**Lempert**

Extra fine jaws.



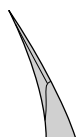
**Straight**  
16 cm  
Cup size: 2.5 mm  
**No. 16004-16**

**Curved**  
16 cm  
Cup size: 2.5 mm  
**No. 16005-16**



## CUTTERS

## Fine

**Curved**

14 cm  
Cutting edge: 8 mm

**No. 16109-14**

## Ilic

Round cutting blades for tissue, cartilage  
and soft bone.

**Curved**

14 cm  
Cutting edge: 9 mm

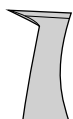
**No. 16107-14**



**Dumont #15A Cutter**

Cutting edge on both outside and inside bevel.  
Cuts suture, cartilage, bone and steel wire to  
0.06 mm, and copper wire to 0.15 mm.

**F · S · T**  
by DUMONT®

**AngledCutting**

11.5 cm  
Cutting edge: 10 mm  
Jaw Opening: 2.5 mm

Carbon steel

**No. 11215-01**

**Dumont #15ARW Cutter**

Same structure and functionality as Item No.  
11215-01 (left), but with an epoxy coating up to  
the cutting edge for easier care and maintenance.

**F · S · T**  
by DUMONT®

**AngledCutting**

11.5 cm  
Cutting edge: 7 mm  
Jaw Opening: 2.5 mm

Epoxy coated carbon steel

**No. 11215-02**

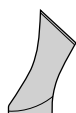
**Tungsten Carbide #15AGHM Cutter**

High precision cutting tweezers are suitable for applica-  
tions which require cutting small material or performing  
small cuts. The extreme hard Tungsten Carbide blade  
insert is designed to cut the hardest metals.

**AngledCutting**

11.5 cm  
Cutting edge: 10 mm  
Jaw Opening: 4 mm  
Anti-magnetic anti-acid Surgical  
Stainless Steel (Inox) (sa), Tungsten  
Carbide, sandblasted

**No. 11515-02**

**Bone Nipper****Angled up**

11 cm  
Cutting edge: 5 mm

**No. 16102-11****Cohen**

Strong jaws for cutting tough cartilage.

**Angled up**

10 cm  
Cutting edge: 7 mm

**No. 16101-10**

**Lempert****Straight**

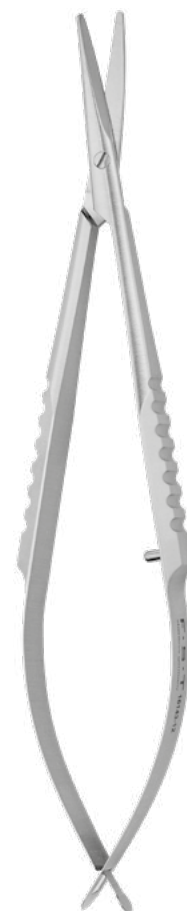
11 cm  
Cutting edge: 9 mm

**No. 16140-11****Spring Scissors Style****Straight  
Blunt/Blunt**

13 cm  
Cutting edge: 12 mm

**No. 16144-13****Spring Scissors Style with  
Strong Handle**

Slim, strong blades for cutting  
fine bones and tissues.

**Curved  
Blunt/Blunt**

12 cm  
Cutting edge: 12 mm

**No. 16143-12**

## CUTTERS

## Littauer



Straight

11 cm  
Cutting edge: 15 mm

No. 16152-11



Straight

12.5 cm  
Cutting edge: 17 mm

No. 16152-12



Straight

15 cm  
Cutting edge: 19 mm

No. 16152-15

## Beebee

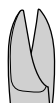
Very strong jaws with sharp points.



Straight

10 cm  
Cutting edge: 15 mm

No. 16044-10



## Scissors Tungsten Carbide

Strong heavy blades for cutting bone.



Straight

12.5 cm  
Cutting edge: 15 mm

No. 16030-12



Straight

16 cm  
Cutting edge: 15 mm

No. 16030-16

**Boehler**

Bone splitting cutter with very fine tips and double action joint to relieve strain on your hand.



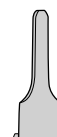
**Angled up**

15 cm  
Cutting edge: 18 mm

**No. 16130-15**

**Skull Flap Cutter**

One tip has a flat and narrow platform which fits between dura and skull. Other tip has sharp cutting edge. The double action joint relieves strain on your hand.



**Angled up**

14 cm  
Cutting edge: 10 mm

**No. 16050-15**

## CUTTERS

## Cleveland



## Angled up

15 cm  
Cutting edge: 15 mm

**No. 16106-14**

17 cm  
Cutting edge: 15 mm

**No. 16105-16**

## Liston

Gross anatomy bone cutter.



## Straight

14 cm  
Cutting edge: 20 mm

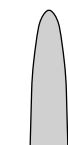
**No. 16104-14**

20 cm  
Cutting edge: 30 mm

**No. 16104-19**

**Bone Pliers**

To peel back skull flaps.



**Straight**

15.5 cm

**No. 16025-14**

**Bone Shears**

60% of  
actual size

**Curved**

24 cm

Cutting edge: 65 mm

**No. 16150-24**



**Bone Forceps**

Strong cross-serrated tips for bone crushing and removal.

**Angled**

11.5 cm  
Tip Ø: 1 mm

**No. 16060-11****Mini Self-Tapping Bone Screws**

Used extensively to anchor dental cement to bone, these self-tapping screws have superior holding strength over ordinary machine screws. Surgical Stainless Steel with fillister flat head.



4 mm  
Shaft diameter: 0.86 mm  
Pkg. of 100 screws

**No. 19010-10**

Pkg. of 10 screws

**No. 19010-11**

For pre-drilling use our 0.7 mm  
burrs, see page 183.

4.8 mm  
Shaft diameter: 1.19 mm  
Pkg. of 100 screws

**No. 19010-00**

Pkg. of 10 screws

**No. 19010-01**

For pre-drilling use our 0.9 mm  
burrs, see page 183.

**Bone Wax**

A beeswax-based compound for bone hemostasis.  
Soft, kneadable and ready to use. **Sterile.**



Pkg. of 12 foil packs (2.5 g each)

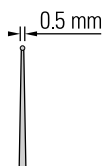
**No. 19009-00**

**Micro Curette**

Curette tips consist of a scoop with sharp edges and are used for scraping or cleaning. They can also be used for separating and transporting, inoculating plates or transferring small amounts of chemicals.

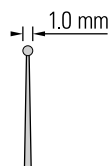


Serrations on  
cutting edge



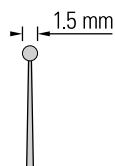
13 cm

No. 10080-05



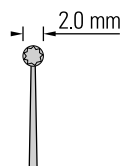
13 cm

No. 10081-10



13 cm

No. 10082-15

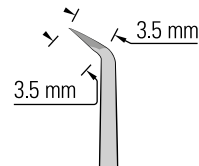


13 cm

No. 10083-20

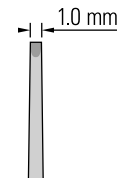
**Delicate Bone Scraper**

For scraping tissue without cutting into bone.



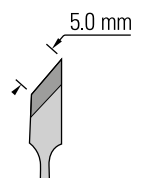
16.5 cm

No. 10075-16

**Austin Chisel**

16 cm

No. 10096-16

**Dissecting Chisel**

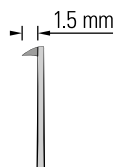
12.5 cm

No. 10095-12

## MICRO KNIVES

**Graefe Knife**

Used for cutting dura.



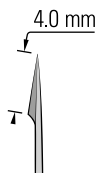
**Angled 90°**

13 cm  
Cutting edge: 1.5 mm

**No. 10059-13**

**Cataract Knife**

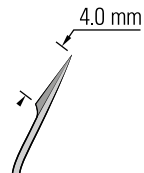
One of the most popular dissecting knives with a microfine point. The cutting edge is lance shaped to provide the ideal cutting angle.



**Straight**

12.5 cm  
Cutting edge: 4 mm

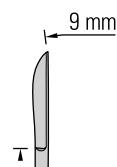
**No. 10055-12**



**Angled 30°**

12.5 cm  
Cutting edge: 4 mm

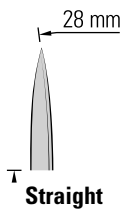
**No. 10056-12**

**Sichel Knife**

**Curved**

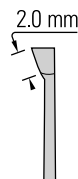
12 cm  
Cutting edge: 9 mm

**No. 10073-14**

**Graefe Iris Knife**

13 cm  
Cutting edge: 28 mm

**No. 10370-13**

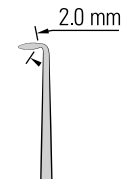
**Micro Knife Side Cut**

15 cm  
Cutting edge: 3 mm

**No. 10058-15**

**Circle Knife**

Sharp cutting edge around tip.



16 cm  
Cutting edge: 2 mm

**No. 10059-15**

**Gross Anatomy Knives**

Handles are made of fiberglass reinforced yellow nylon with a slip resistant surface that allows little chance of bacterial accumulation. The blades are made of German Molybdenum Stainless Steel.



40% of  
actual size

**Dissection knives**

26 cm  
Cutting edge: 13 cm

**No. 10157-13**

28 cm  
Cutting edge: 15 cm

**No. 10157-15**

31 cm  
Cutting edge: 18 cm

**No. 10157-18**



40% of  
actual size

**Brain sectioning knife**

44 cm  
Cutting edge: 30 cm

**No. 10152-30**

### Obsidian Stone Age Scalpels

For applications where extremely fine cuts are required or for studies where trace metals from ordinary scalpel blades cannot be tolerated. These ultra fine cutting edges have been used in human surgical procedures where objectionable scar tissue results from the use of standard scalpels. The blade is made from obsidian — a type of volcanic glass — which allows a much finer blade than is possible with the conventional steel blade. In some cases this makes the relatively inexpensive obsidian scalpel a suitable substitute for an expensive diamond knife. Patterned after “stone age” knives which first made their appearance about 18,000 years ago, these modern versions utilize hard wood and plastic dowels for handles. Plastic dowels are made of polyoxymethylene.



Obsidian is a very fragile material. Great care should be taken to not exert any lateral pressure on the blade during cutting. Each blade is hand-fashioned, so sizes, shapes and points will vary. While all the blades will have at least one sharp edge, some will have two.



Magnified View

Wood Dowel  
**Not autoclavable**

**Straight**

13 cm  
Cutting edge: 6 mm

**No. 10110-01**

**Straight**

13.5 cm  
Cutting edge: 12 mm

**No. 10110-03**



Magnified View

Plastic Dowel  
**Autoclavable**

**Straight**

12.5 cm  
Cutting edge: 6 mm

**No. 10110-05**



Magnified View

Plastic Dowel  
**Autoclavable**

**Angled**

12.5 cm  
Cutting edge: 6 mm

**No. 10110-07**

## CERAMIC &amp; DIAMOND KNIVES

## Ceramic Blades and Handle

Advantages:

- Ceramic edge stays sharp 100 times longer than steel edge
- Rust and corrosion free
- Chemical and acid resistant
- Withstands up to 2400 °C (4352 °F)
- No electrostatic discharge concerns
- No trace metal contamination
- Fully nonmagnetic

**Angled 45°**

33 x 6 x 0.5 mm  
Cutting edge: 4.5 mm  
Pkg. of 5 blades

**No. 10025-44**

**Angled 45°**

33 x 6 x 0.5 mm  
Cutting edge: 2.5 mm  
Pkg. of 5 blades

**No. 10025-43**

**Angled 23°**

33 x 6 x 0.5 mm  
Cutting edge: 14 mm  
Pkg. of 5 blades

**No. 10025-23**

**Angled 45°**

33 x 6 x 0.5 mm  
Cutting edge: 8 mm  
Pkg. of 5 blades

**No. 10025-45**

Aluminum Alloyed  
Handle  
12.5 cm

**No. 10025-50**

## Diamond Knives

This knife has a gem-quality, neutral diamond blade which is honed to the finest cutting edge possible. The blade is made to an ophthalmic surgical standard and is inspected under 400 x magnification. The retractable handle aids in care and storage.



This blade is extremely fragile and vulnerable to lateral pressure.



**Lancet**  
**Cutting angle: 30°**

12 cm  
Cutting edge: 1 mm  
Tip thickness: 0.15 mm

**No. 10100-30**



**Angled**  
**Cutting angle: 45°**

12 cm  
Cutting edge: 1 mm  
Tip thickness: 0.15 mm

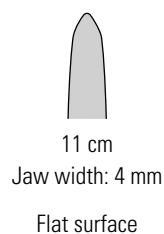
**No. 10100-45**



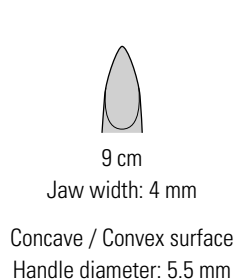
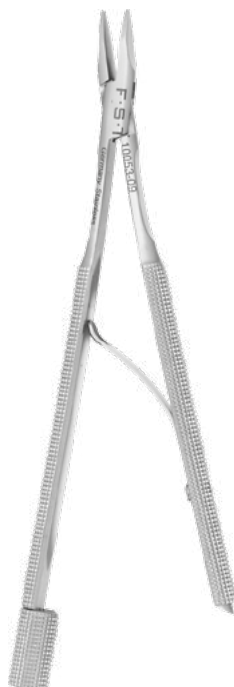
Grip slides up the handle to protect the tip for safe storage and packing.



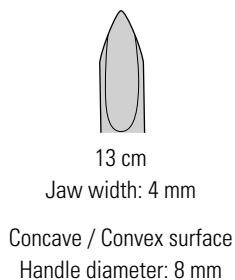
## Blade Breakers and Holders



No. 10052-11



No. 10053-09



No. 10053-13

## Breakable Blades

These special, high carbon content blades are the only blades that will break cleanly.

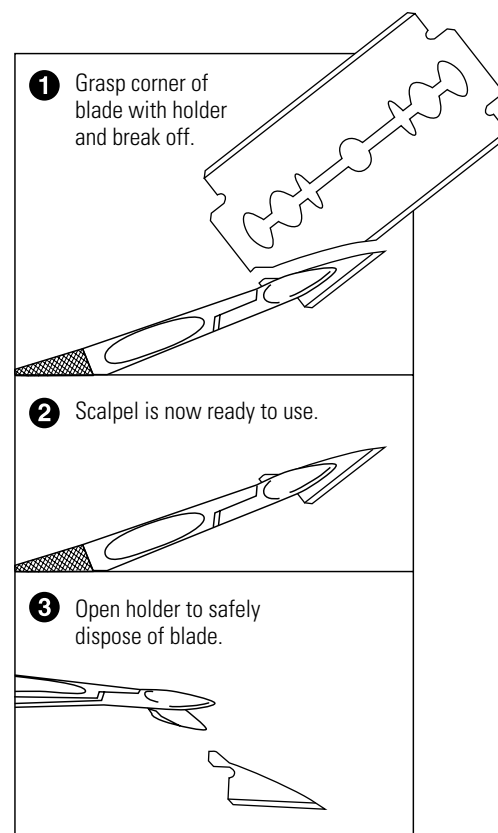


Blade thickness: 0.1 mm  
Pkg. of 10 blades

No. 10050-00

## Create Your Own Blade

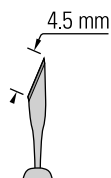
With these blade holders/breakers and our special carbon steel blades, No. 10050-00, you can produce microblades in sizes that meet your own individual needs.



## SCALPELS

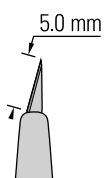
## Sterile Scalpels

Cold forged from carbon steel and sharpened to eliminate tissue distortion and blade drag. 12.5 cm plastic handle with slip-proof grip. **Sterile.**

**22.5° Cutting angle**

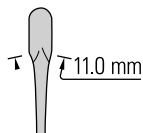
13.5 cm  
Cutting edge: 4.5 mm  
Tip thickness: 0.15 mm

**No. 10316-14**

**15° Cutting Angle**

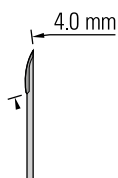
13 cm  
Cutting edge: 5 mm  
Tip thickness: 0.15 mm

**No. 10315-12**

**Crescent blade**

14 cm  
Cutting edge: 11 mm  
Tip thickness: 0.2 mm

**No. 10317-14**

**Needle blade**

14.5 cm  
Cutting edge: 4 mm  
Tip thickness: 0.2 mm

**No. 10318-14**

## Interchangeable Blades and Handles

**Angled Carbon steel**

Cutting edge: 10 mm  
Pkg. of 5 blades

**No. 10035-15**

**Curved Carbon steel**

Cutting edge: 10 mm  
Pkg. of 5 blades

**No. 10035-20**

**Small / Flat Carbon steel**

Cutting edge: 1.5 mm  
Pkg. of 5 blades

**No. 10035-05**

**Large / flat Carbon steel**

Cutting edge: 2.75 mm  
Pkg. of 5 blades

**No. 10035-10**

Handle for Inter-  
changeable Blades  
9.5 cm

**No. 10035-00**

12.5 cm

**No. 10035-12**

**Cane Carbon steel**

Cutting edge: 12 mm  
Pkg. of 5 blades

**No. 10035-25**

**Arc Carbon steel**

Cutting edge: 12 mm  
Pkg. of 5 blades

**No. 10035-30**

**Standard Scalpel Handle #4 with Silicone**

For heavy, gross anatomy work. Molded to fit hand.



16 cm

**No. 10009-13**

**Standard Scalpel Handle #4 Solid**

Especially suitable for large dissections.



13 cm

**No. 10004-13**

**Blades for #4 Scalpel Handles**

The alloy used has a high carbon content which provides a longer lasting edge. Blades come individually wrapped. **Non-sterile.**

**#20 blades**

Box of 100 blades

**No. 10020-00**

**#21 blades**

Box of 100 blades

**No. 10021-00**

**#22 blades**

Box of 100 blades

**No. 10022-00**

**#23 blades**

Box of 100 blades

**No. 10023-00**

## SCALPELS

## Standard Scalpel Handle #3



12 cm

No. 10003-12

## Secure Scalpel Handle #3

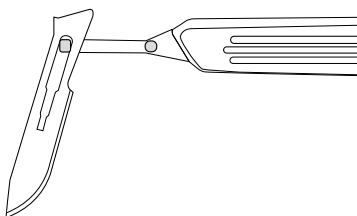
A safety lock holds the blade securely, and allows simple and safe blade attachment and removal.



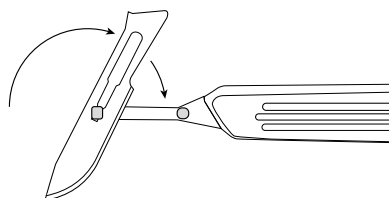
12 cm

No. 10003-13

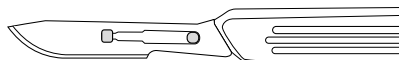
- 1 Slide blade onto front pin of the handle.



- 2 Then slide pin to front slot of blade. Rotate blade clockwise and secure blade to back pin on handle.



- 3 Scalpel is ready to use.



## Blades for #3 and #7 Scalpel Handles

The alloy used has a high carbon content which provides a longer lasting edge. Blades come individually wrapped. **Non-sterile.**



## #10 blades

Box of 100 blades

No. 10010-00



## #11 blades

Box of 100 blades

No. 10011-00



## #12 blades

Box of 100 blades

No. 10012-00



## #15 blades

Box of 100 blades

No. 10015-00

**Short Scalpel  
Handle #7**

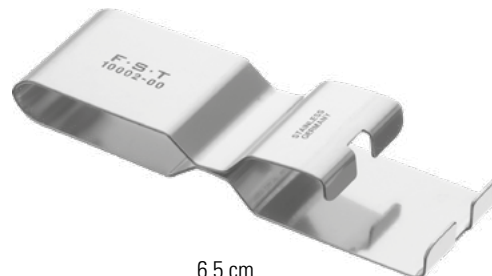
12 cm

**No. 10007-12****Standard Scalpel  
Handle #7**

16.5 cm

**No. 10007-16****Scalpel Blade Remover**

For safe removal of scalpel blades, simply insert scalpel with blade into the Scalpel Blade Remover and press the sides together. This will dislodge the blade from handle and hold the blade securely for release.



6.5 cm

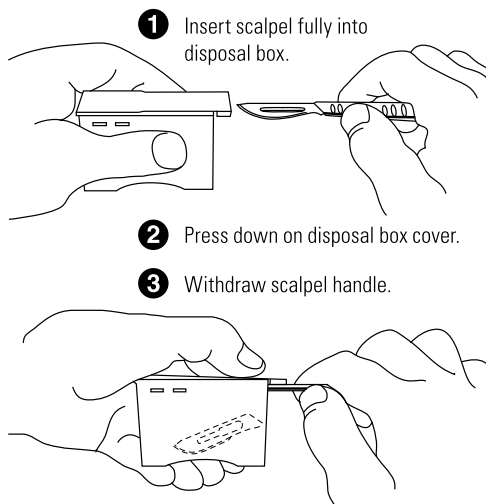
**No. 10002-00****Scalpel Blade Remover and Disposal Box**

This plastic device will remove used scalpel blades safely and retain them for safe disposal. Can be used for blades that fit the #3, #4, #7 and Gross Anatomy handles.

7.5 x 5 x 2.5 cm  
Capacity approximately: 80 Blade  
Carton of 10 boxes

**No. 10002-50**

**Your fingers will never come in contact with the blade.**



SCALPELS

Gross Anatomy Blade and Handle



13 cm

No. 10060-13



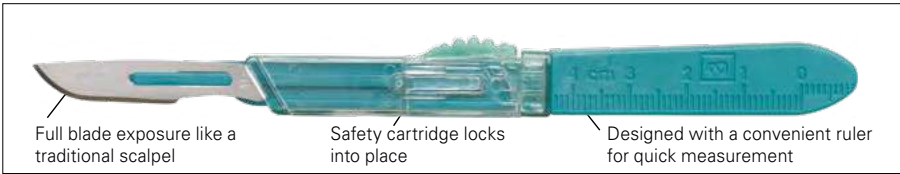
#60 blades

7.5 cm  
Box of 100 blades

No. 10060-00

Disposable Safety Scalpels

Plastic handle #3 with Surgical Stainless Steel blades. The protective cartridge completely covers the blade for safe, fast and easy disposal. **Single-use and non-sterile.**



#10 scalpels

14 cm  
Pkg. of 10 blades

No. 10000-10



#11 scalpels

14 cm  
Pkg. of 10 blades

No. 10000-11



#15 scalpels

14 cm  
Pkg. of 10 blades

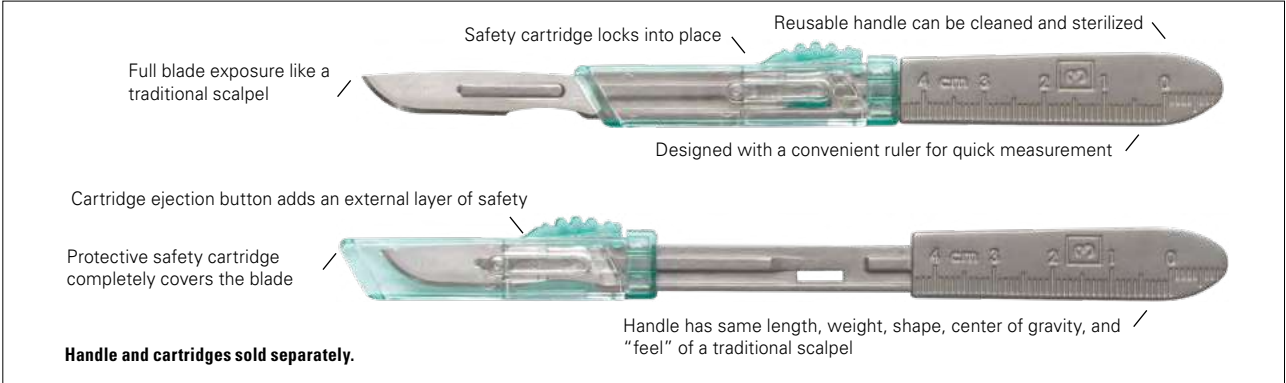
No. 10000-15



Scalpel shown with safety cartridge closed and locked into place.

Safety Scalpel Blade Cartridges

The Safety Scalpel Handle #3 is compatible with all Safety Scalpel Blades. The handle is reusable and made of Teflon coated stainless steel which provides a non-stick surface. The Blade Cartridges are color-coded with clear windows for easy identification. The protective cartridge completely covers the blade for safe, fast, and easy disposal. **Handle is reusable and autoclavable. Blades are single-use and non-sterile.**



Safety Scalpel Handle #3



12.5 cm  
Teflon coated Surgical Stainless Steel (Inox)

No. 10006-12

Safety Scalpel Blade Cartridges

Safety Scalpel Blade Cartridges shown open and attached to handle.  
**Handle and cartridges sold separately.**



#10 blades  
Pkg. of 10 blades

No. 10010-10



#11 blades  
Pkg. of 10 blades

No. 10011-10



#15 blades  
Pkg. of 10 blades

No. 10015-10



# FORCEPS, TWEEZERS, HEMOSTATS & VASCULAR INSTRUMENTS

FST® by Dumont

83 – 92

Fine

93 – 96, 99 – 103

Moria

97 – 98

S&T®

98, 100

Standard

104 – 115

Hemostats

116 – 121

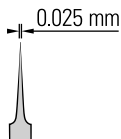
Vascular Instruments

122 – 131



### Dumont #5SF

The finest tips ever produced by Dumont.



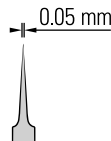
#### Super fine

11 cm  
0.025 x 0.005 mm  
Surgical Stainless  
Steel (Inox)

**No. 11252-00**

### Dumont #5 Medical Biology

Finished under magnification and polished on the inside, the tips close flat to 3 mm and are less likely to open under excess pressure.



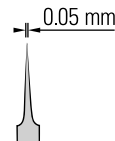
#### Biology

11 cm  
0.05 x 0.02 mm  
Surgical Stainless  
Steel (Inox)

**No. 11254-20**

### Dumont #5 Ceramic Coated

These forceps are non-reflective. The scratch and corrosion resistant coating guarantees durability.



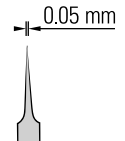
#### Biology

11 cm  
0.05 x 0.02 mm  
Ceramic coated  
Surgical Stainless  
Steel (Inox)

**No. 11252-50**

### Dumont #5CO

These forceps have been honed down to make this the lightest and most precise Dumont forceps available.



#### Biology

11 cm  
0.05 x 0.02 mm  
Dumostar

**No. 11295-20**

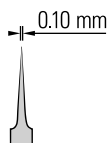
Dumont Medical Standard

The sides of these forceps are distinctively ribbed to provide a better holding surface for maximum control of the instrument. The shanks are arched toward each other to transmit more holding strength to the points. The smooth inside surfaces at the tips will close flat to 5 mm with gentle pressure, increasing the total holding area considerably. The microscopically matched tips are gently blunted to prevent tissue puncture and are recommended as micro needle holders.



FORCEPS/TWEEZERS

Medical #5



**Standard  
Straight**

11 cm  
0.1 x 0.06 mm  
Surgical Stainless  
Steel (Inox)

No. 11253-20

Medical #5A

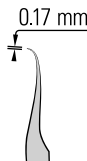


**Standard  
Off-Center**

11.5 cm  
0.13 x 0.08 mm  
Surgical Stainless  
Steel (Inox)

No. 11253-21

Medical #7S

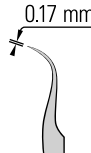


**Standard  
Curved**

11.5 cm  
0.17 x 0.1 mm  
Surgical Stainless  
Steel (Inox)

No. 11273-22

Medical #7

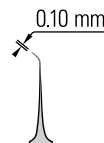


**Standard  
Curved**

11.5 cm  
0.17 x 0.1 mm  
Surgical Stainless  
Steel (Inox)

No. 11273-20

Medical #5/45

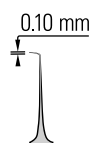


**Standard  
Angled 45°**

11 cm  
0.1 x 0.06 mm  
Surgical Stainless  
Steel (Inox)

No. 11253-25

Medical #5/90



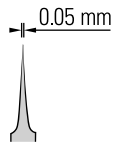
**Standard  
Angled 90°**

11 cm  
0.1 x 0.06 mm  
Surgical Stainless  
Steel (Inox)

No. 11253-29

### Dumont #55

Bevelled, like #5 but with extra light and fine shanks.



#### Biology

11 cm  
0.05 x 0.02 mm  
Surgical Stainless Steel (Inox)

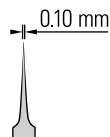
**No. 11255-20**

11 cm  
0.05 x 0.02 mm  
Dumostar

**No. 11295-51**

### Dumont #5 Mirror Finish

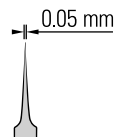
The last 5 mm on the inside of the tips are highly polished to help prevent tissue from sticking. Ideal for embryos, nerves or any other adhesive tissue.



#### Standard

11 cm  
0.1 x 0.06 mm  
Surgical Stainless Steel (Inox)

**No. 11251-23**



#### Biology

11 cm  
0.05 x 0.02 mm  
Surgical Stainless Steel (Inox)

**No. 11252-23**

### Dumont #5

These are the most widely used Dumont forceps.  
Bevelled, very fine shanks for best visibility.



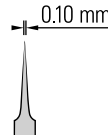
**MOST POPULAR**



11252-40



11251-10



#### Standard

11 cm  
0.1 x 0.06 mm  
Surgical Stainless Steel (Inox)

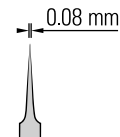
**No. 11251-20**

Dumoxel

**No. 11251-30**

Dumostar

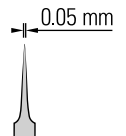
**No. 11295-00**



#### Standard

11 cm  
0.08 x 0.04 mm  
Carbon steel

**No. 11251-10**



#### Biology

11 cm  
0.05 x 0.02 mm  
Surgical Stainless Steel (Inox)

**No. 11252-20**

Dumoxel

**No. 11252-30**

Dumostar

**No. 11295-10**

Titanium

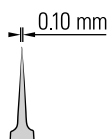
**No. 11252-40**

**Dumont #5 WA**

These specially designed forceps offer improved stability with an ergonomic body that allows the forceps to fit more comfortably in your hand. A domed end with no soldering grooves allows the forceps to be thoroughly and easily cleaned, preventing biofilm residues.



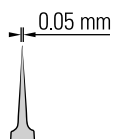
Side View

**Standard**

12 cm  
0.10 x 0.06 mm

Surgical Stainless  
Steel (Inox)

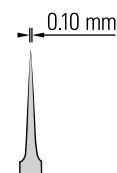
**No. 11251-21**

**Biology**

12 cm  
0.05 x 0.02 mm

Surgical Stainless  
Steel (Inox)

**No. 11252-21**

**Dumont #5XL****Standard**

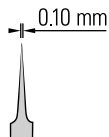
15 cm  
0.1 x 0.06 mm

Surgical Stainless  
Steel (Inox)

**No. 11253-10**

**Dumont #L5**

Slide sleeve keeps tips together so specimens may be securely held and retained. Slide may be locked in place so that forceps can be used in regular fashion.



**Standard**

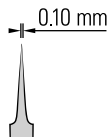
11 cm  
0.1 x 0.06 mm

Surgical Stainless Steel (Inox)

**No. 11253-27**

**Dumont #5  
Teflon® Coated**

These antimagnetic forceps are ideal for use in cryogenic environments and for EM samples. Teflon® coating provides a non-stick surface.



**Standard**

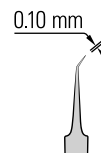
11 cm  
0.1 x 0.06 mm

Teflon coated Surgical Stainless Steel (Inox)

**No. 11626-11**

**Dumont #5/45**

45° tips for improved visibility and control.



**Standard**

11 cm  
0.1 x 0.06 mm

Dumoxel

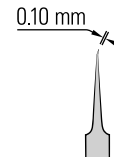
**No. 11251-35**

**Dumont #5/45  
Cover Slip**

Designed to pick up cover slips out of multi-well plates. The tip width is squared for a better grip.



Magnified View



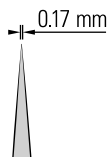
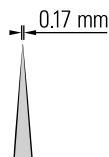
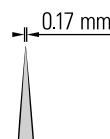
**1 mm from tip to bend**

11.5 cm  
Upper tip: 0.1 x 0.08 mm,  
Lower tip: 0.1 x 0.02 mm  
Dumoxel

**No. 11251-33**

**Dumont #3**

Tapered and sturdy shanks.

**Standard**12 cm  
0.17 x 0.1 mm  
Dumoxel**No. 11231-30****Standard**12 cm  
0.17 x 0.1 mm  
Dumostar**No. 11293-00****Dumont #3C****Standard**11 cm  
0.17 x 0.1 mm  
Surgical Stainless  
Steel (Inox)**No. 11231-20****Dumont #6**

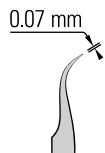
Sharply angled tips for access to difficult areas.

**Standard**11.5 cm  
0.17 x 0.1 mm  
Surgical Stainless  
Steel (Inox)**No. 11260-20**



### Dumont #7 Medical Biology

Finished under magnification, the tips close flat to 3 mm and therefore less likely to open under excess pressure.

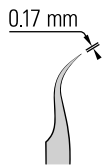


**Biology**

11.5 cm  
0.07 x 0.03 mm  
Surgical Stainless  
Steel (Inox)

**No. 11274-20**

### Dumont #7



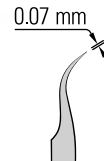
**Standard**

11.5 cm  
0.17 x 0.1 mm  
Dumoxel

**No. 11271-30**

Dumostar

**No. 11297-00**



**Biology**

11.5 cm  
0.07 x 0.04 mm  
Dumoxel

**No. 11272-30**

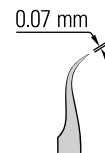
Dumostar

**No. 11297-10**

Titanium

**No. 11272-40**

### Dumont #7 Ceramic Coated

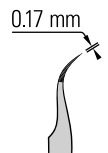


**Biology**

11.5 cm  
0.07 x 0.04 mm  
Ceramic coated  
Surgical Stainless  
Steel (Inox)

**No. 11272-50**

### Dumont #7B



**Standard**

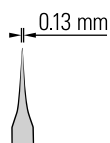
11.5 cm  
0.17 x 0.1 mm  
Surgical Stainless  
Steel (Inox)

**No. 11270-20**

FORCEPS/TWEEZERS

**Dumont #4**

Similar to #5, but with broader shanks.

**Standard**

11 cm  
0.13 x 0.08 mm  
Dumoxel

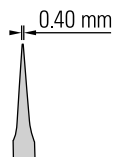
No. 11241-30

Dumostar

No. 11294-00

**Dumont #2**

These forceps are ideal for breaking off delicate bones.

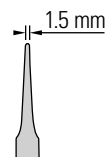
**Standard**

12 cm  
0.4 x 0.02 mm  
Surgical Stainless  
Steel (Inox)

No. 11223-20

**Dumont #2AP Epoxy Coated**

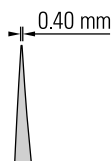
Provides good insulation for up to 220 AC voltage work and highly impervious to chemical solutions. Frozen or super cold sections will not adhere to the gripping surfaces.

EPOXY  
COATEDNOT  
AUTOCLAVABLE**Standard**

12 cm  
1.5 x 0.7 mm  
Epoxy coated Surgical  
Stainless Steel (Inox)

No. 11220-21

## Dumont AA



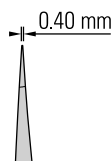
**Standard**

12.5 cm  
0.4 x 0.2 mm  
Surgical Stainless  
Steel (Inox)

**No. 11210-20**

## Dumont AA Epoxy Coated

Slip-proof acid and electric shock resistant epoxy coating covers the forceps 17.5 mm from the tips.



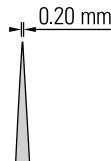
**Standard**

12.5 cm  
0.4 x 0.2 mm  
Epoxy coated Surgical  
Stainless Steel (Inox)

**No. 11210-10**

## Dumont SS

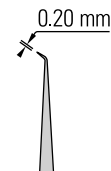
The tips are smooth on the inside for a gentle grip. Applying full strength will not separate tips and a strong hold on the smallest specimen is ensured.



**Standard**

Straight  
13.5 cm  
0.2 x 0.12 mm  
Surgical Stainless  
Steel (Inox)

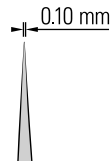
**No. 11203-23**



**Standard**

Angled 45°  
13.5 cm  
0.2 x 0.12 mm  
Surgical Stainless  
Steel (Inox)

**No. 11203-25**



**Biology**

Straight  
13.5 cm  
0.1 x 0.06 mm  
Dumoxel

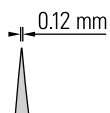
**No. 11200-33**

## Dumont Mini Forceps

## Dumont #5AC



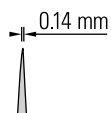
Mini #3

**Standard**7 cm  
0.12 x 0.07 mmSurgical Stainless  
Steel (Inox)

No. 11200-10



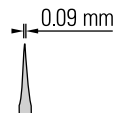
Mini #4

**Standard**7 cm  
0.14 x 0.06 mmSurgical Stainless  
Steel (Inox)

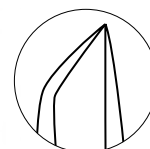
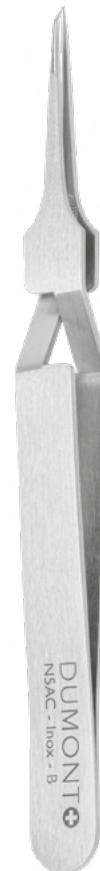
No. 11200-12



Mini #5

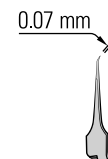
**Standard**8.2 cm  
0.1 x 0.05 mmSurgical Stainless  
Steel (Inox)

No. 11200-14



Magnified View

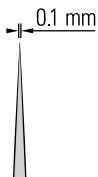
Type #5 Anti-Capillary

**Biology**11.5 cm  
0.07 x 0.02 mmSurgical Stainless  
Steel (Inox)

No. 11258-20

**Balanced #5**

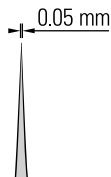
These forceps feature an ergonomic design and ultra fine tips for optimal comfort and accuracy. The balanced action of the forceps ensures seamless efficiency during prolonged tasks, providing ease in rotational pivoting with the rounded handle and a counterweight technology providing enhanced control and stability.

**Standard**

15 cm  
0.1 x 0.06 mm

Surgical Stainless  
Steel (Inox)

No. 11851-20

**Biology**

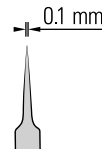
15 cm  
0.05 x 0.02 mm

Surgical Stainless  
Steel (Inox)

No. 11852-20

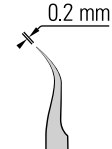
**Gold Plated**

Gold-plating gives corrosion resistance to most chemicals, salts and acids. These forceps are perfect for any application where corrosion resistance and toughness are primary requirements.

**Straight**

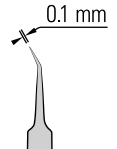
11 cm  
0.1 x 0.06 mm  
Gold plated  
Surgical Stainless  
Steel (Inox)

No. 11915-11

**Curved**

12 cm  
0.2 x 0.1 mm  
Gold plated  
Surgical Stainless  
Steel (Inox)

No. 11917-12

**Angled 30°**

11 cm  
0.1 x 0.06 mm  
Gold plated  
Surgical Stainless  
Steel (Inox)

No. 11911-11

### Diamond Coated

Diamond coating provides increased corrosion resistance and greater protection from wear and tear, which extends the operational life of the forceps, as well as providing a stronger grip at the tips.

### #27 Mirror Finish

These forceps have long and narrow shanks with thin, highly polished tips to prevent tissue from sticking. Ideal for embryos, nerves, or other adhesive tissues.



0.15 mm

**Straight**

14 cm  
0.15 x 0.1 mm  
Diamond coated  
Surgical Stainless  
Steel (Inox)

No. 11990-14



0.15 mm

**Angled 30°**

14 cm  
0.15 x 0.1 mm  
Diamond coated  
Surgical Stainless  
Steel (Inox)

No. 11991-14



1.65 mm

**Straight**

12 cm  
1.65 x 0.05 mm  
Diamond coated  
Surgical Stainless  
Steel (Inox)

No. 11992-12



0.3 mm

**Straight**

13 cm  
0.3 x 0.15 mm  
Surgical Stainless  
Steel (Inox)

No. 11923-13

**#259 Replaceable Tips**

Surgical Stainless Steel body with replaceable plastic tips. Tips are made of polyvinylidene fluoride (PVDF) and are electrostatic discharge (ESD) safe. Body and plastic tips are corrosion and abrasion resistant.

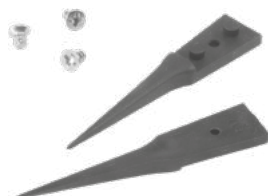


Pkg. of 2 tips and 3 screws  
Replacement plastic tips

Straight / Fine

4 cm  
0.6 x 0.6 mm

**No. 11988-01**



Pkg. of 2 tips and 3 screws  
Replacement plastic tips

Straight / Very fine

4 cm  
0.6 x 0.45 mm

**No. 11988-02**

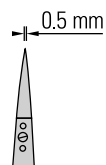


Pkg. of 2 tips and 3 screws  
Replacement plastic tips

Curved / Very fine

4 cm  
0.5 x 0.5 mm

**No. 11988-03**



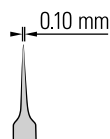
**Straight**

13 cm  
0.5 x 0.6 mm  
Surgical Stainless  
Steel (Inox) body  
with plastic tips

**No. 11980-13**

**#5 Mirror Finish**

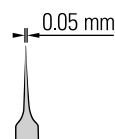
The last 5 mm on the inside of the tips are highly polished to help prevent tissue from sticking. Ideal for embryos, nerves or other adhesive tissue.



**Straight**

11 cm  
0.1 x 0.06 mm  
Surgical Stainless  
Steel (Inox)

**No. 11412-11**



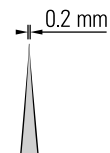
**Straight**

11 cm  
0.05 x 0.02 mm  
Surgical Stainless  
Steel (Inox)

**No. 11413-11**

**#3**

Straight forceps with sturdy coarse tips.

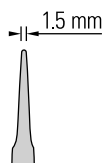


**Straight**

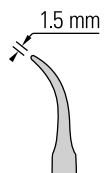
12 cm  
0.2 x 0.12 mm  
Surgical Stainless  
Steel (Inox)

**No. 11445-12**

## #2A

**Straight**

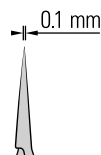
12 cm  
1.5 x 0.1 mm

**No. 11992-20****Curved**

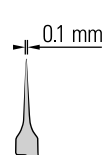
12 cm  
1.5 x 0.1 mm

**No. 11972-20****Self-Closing**

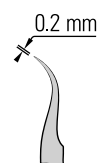
Ideal for lifting and holding EM grids. Consistent pressure at tips. Correctly tensioned "cross-over" shanks come to a microscopically matched point.

**Straight**

11.5 cm  
0.1 x 0.05 mm

**No. 11480-11****Straight**

11 cm  
0.1 x 0.06 mm

**No. 11485-11****Curved**

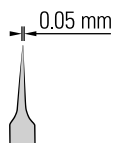
11.5 cm  
0.2 x 0.12 mm

**No. 11487-11**

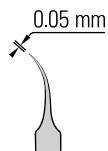


**Moria #5**

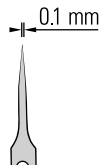
These forceps have the most finely executed points available. They are extremely light, superbly balanced and have a gentle spring action. The shanks are specially designed with an arch which ensures maximum force to the tips. The tips close flat for 6 mm from the points to give a large holding area. The tips have been expertly finished under magnification.

**Moria***Moria MC40***Straight**

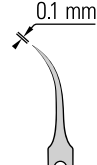
11 cm  
0.05 x 0.01 mm

**No. 11370-40***Moria MC40/B***Curved**

11 cm  
0.05 x 0.01 mm

**No. 11370-42****Moria***Moria 9980***Straight**

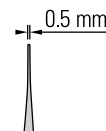
13 cm  
0.1 x 0.06 mm

**No. 11399-80***Moria 9987***Curved**

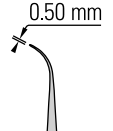
13 cm  
0.1 x 0.06 mm

**No. 11399-87****Moria****Moria Iris**

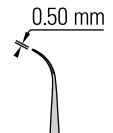
Balanced with gentle spring action and tips that are perfectly matched.

*Moria MC32/B***Straight**  
Smooth

10 cm  
0.5 x 0.3 mm

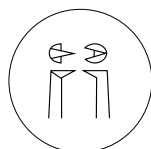
**No. 11373-22***Moria MC31/B***Curved**  
Smooth

10 cm  
0.5 x 0.3 mm

**No. 11373-12***Moria MC32***Serrated****No. 11370-32***Moria MC31***Serrated****No. 11370-31**

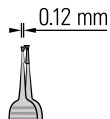
## Moria Paufigue

Moria



Magnified View

Moria 3225



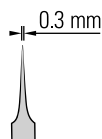
**Straight**  
Tying platform with  
1x2 teeth

8.5 cm  
0.6 x 1 mm

No. 11390-25

## #5 Fine Forceps

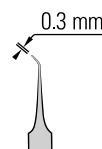
S&amp;T®



**Straight**  
Standard

11 cm  
0.3 x 0.25 mm

No. 00108-11



**Angled 45°**  
Standard

11 cm  
0.3 x 0.25 mm

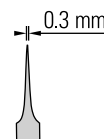
No. 00109-11

## #5 SuperGrip Forceps

The tips are processed with MicroCrystals®, a method developed by S&T® to infuse Tungsten Carbide on Surgical Stainless Steel. The formation of this ultra-fine coating guarantees atraumatic handling of tissue while improving the grip dramatically. The recommended use is where forceps are utilized as needle holders or when slippery tissues might be encountered.



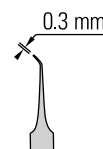
Magnified View  
The gripping surface is  
similar to a match head.



**Straight**  
SuperGrip

11 cm  
0.3 x 0.25 mm

No. 00632-11



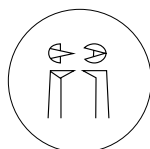
**Angled 45°**  
SuperGrip

11 cm  
0.3 x 0.25 mm

No. 00649-11

**Bonn**

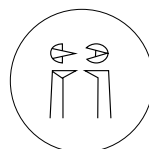
The 1x2 teeth forceps No. 11084-07 are the finest of their kind with 0.1 mm wide teeth. The smooth forceps No. 11083-07 have a narrow 5 mm long platform. Both forceps have a pin inside the shanks to limit the applied pressure.



Magnified View

**Castroviejo Suture Tying**

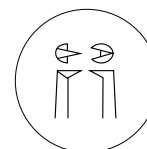
The fine Bonn forceps features a tying platform and is also available with additional 1x2 teeth. It's designed for tissue manipulation and suturing. The wide handle ensures safe handling. The fine and precise tips make it suitable for work under a high magnification.



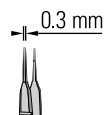
Magnified View

**Mirror Finish Suture Tying Forceps with Teeth**

A unique tip style fusing a suture tying platform and a 1x2 teeth tip for tissue manipulation.



Magnified View

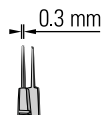


0.3 mm

**Straight**  
**Smooth with platform**

7 cm  
Tip width: 0.3 mm  
Tying platform: 5 mm

No. 11083-07

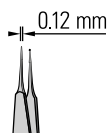


0.3 mm

**Straight**  
**1x2 Teeth**

7 cm  
Tip width: 0.3 mm  
Teeth width: 0.1 mm

No. 11084-07



0.12 mm

**Straight**  
**Tying platform with**  
**1x2 teeth**

10.5 cm  
Tip width: 0.12 mm  
Tying platform: 5 mm

No. 11090-10

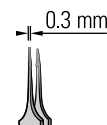


0.3 mm

**Straight**  
**Smooth with platform**

10.5 cm  
Tip width: 0.3 mm  
Tying platform: 5 mm

No. 11093-10



0.3 mm

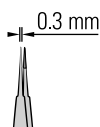
**Straight**  
**Tying platform with**  
**1x2 teeth**

9 cm  
Tip width: 0.3 mm  
Tying platform: 6 mm

No. 11090-09

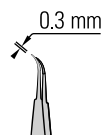
**Moria Troutman Suture Tying**

Used to suture after surgery is complete. This requires the manipulation of a calibrated nylon thread and the use of a specific instrument: a tying forceps, straight or curved, without teeth.

**Moria***Moria 9604*

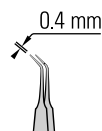
**Straight  
Smooth with  
platform**

9.5 cm  
Tip Ø: 0.3 mm  
Tying platform: 8 mm

**No. 11393-04***Moria 9605*

**Curved  
Smooth with  
platform**

8.5 cm  
Tip Ø: 0.3 mm  
Tying platform: 7.5 mm

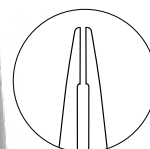
**No. 11393-05****McPherson**

**Angled 45°  
Smooth with  
platform**

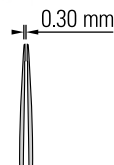
9 cm  
Tip Ø: 0.4 mm  
Tying platform: 6 mm

**No. 11063-07****#3 Suture Tying Forceps**

The platform tips close flat. This ensures a reliable grip on sutures.

**S&T®**

Magnified View

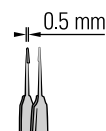


**Straight  
Smooth with  
platform**

13.5 cm  
Tip Ø: 0.3 mm  
Tying platform: 6 mm

**No. 00272-13****Tuebingen Suture Tying**

The platform tips close flat. This ensures a reliable grip on sutures.



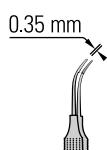
**Straight  
Smooth with  
platform**

10 cm  
Tying platform: 5 mm

**No. 18025-10**

**Round Handled Suture Tying**

Round handles allow easy fingertip adjustments.



**Curved**  
**Smooth with platform**

10.5 cm

Tying platform: 5.5 mm

**No. 18026-10**

**Vial Forceps**

Tips taper for 6 cm allowing easy access to specimens in vials.



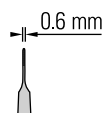
**Straight**

15 cm

Tip Ø: 0.5 mm

**No. 11006-15**

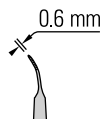
### Graefe Forceps



**Straight Serrated**

7 cm  
0.6 x 0.5 mm

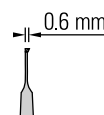
No. 11064-07



**Curved Serrated**

7 cm  
0.6 x 0.5 mm

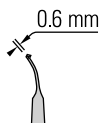
No. 11065-07



**1x2 Teeth**

7 cm  
0.6 x 0.5 mm

No. 11066-07



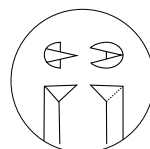
**1x2 Teeth**

7 cm  
0.6 x 0.5 mm

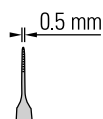
No. 11067-07

### Bishop-Harman

Extra light, fenestrated handles ensure a good grip.



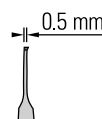
Magnified View



**Straight Serrated**

8.5 cm  
0.5 x 0.5 mm

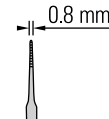
No. 11069-08



**Straight 1x2 Teeth**

8.5 cm  
0.5 x 0.5 mm

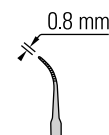
No. 11070-08



**Straight Serrated**

9.5 cm  
0.8 x 0.5 mm

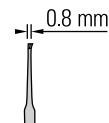
No. 11040-08



**Curved Serrated**

9.5 cm  
0.8 x 0.5 mm

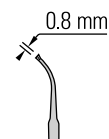
No. 11041-08



**1x2 Teeth**

9.5 cm  
0.8 x 0.5 mm

No. 11042-08



**1x2 Teeth**

9.5 cm  
0.8 x 0.5 mm

No. 11043-08

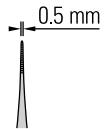
### Foerster

The octagon shaped grip provides a particularly secure finger hold.

## Fine Graefe

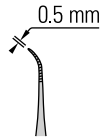


The length of all  
forceps is 10 cm  
The dimensions of all  
tips are 0.5 x 0.5 mm



**Straight  
Serrated**

No. 11150-10



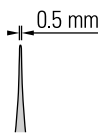
**Slightly curved  
Serrated**

No. 11151-10



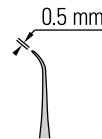
**Curved  
Serrated**

No. 11152-10



**Straight  
Smooth**

No. 11158-10



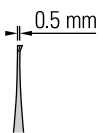
**Slightly curved  
Smooth**

No. 11159-10



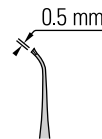
**Curved  
Smooth**

No. 11160-10



**Straight  
1x2 Teeth**

No. 11153-10



**Slightly curved  
1x2 Teeth**

No. 11154-10



**Curved  
1x2 Teeth**

No. 11155-10

## Graefe



11650-10 – 11652-10

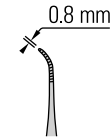
The length of all forceps is 10 cm



**Straight  
Serrated**

0.8 x 0.7 mm

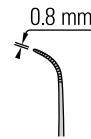
No. 11050-10



**Slightly curved  
Serrated**

0.8 x 0.7 mm

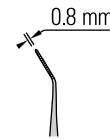
No. 11051-10



**Curved  
Serrated**

0.8 x 0.7 mm

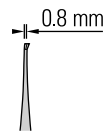
No. 11052-10



**Angled  
Serrated**

0.8 x 0.7 mm

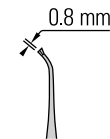
No. 11049-10



**Straight  
1x2 Teeth**

0.8 x 0.7 mm

No. 11053-10



**Slightly curved  
1x2 Teeth**

0.8 x 0.7 mm

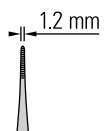
No. 11054-10



**Curved  
1x2 Teeth**

0.8 x 0.7 mm

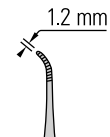
No. 11055-10



**Straight  
Serrated**

1.2 x 0.9 mm  
Titanium

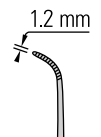
No. 11650-10



**Slightly curved  
Serrated**

1.2 x 0.9 mm  
Titanium

No. 11651-10



**Curved  
Serrated**

1.2 x 0.9 mm  
Titanium

No. 11652-10

## Sliding Lock Forceps



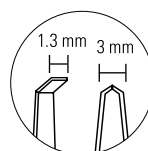
**Straight  
Smooth**

11 cm  
1 x 0.75 mm

**No. 11062-10**

## Episcleral Forceps

The tips of these forceps arch toward each other, closing flat. Exceptional gripping power is possible with minimal damage to tissue. A limit pin prevents excessive applied pressure.



Magnified View

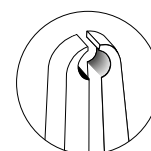
**Straight  
Arched**

10 cm  
1.3 x 3 x 0.2 mm

**No. 11071-10**

## Pierse Fixation

For exceptional gripping power with no damage to sclera, vascular sheath and epineurium.



Magnified View

Tissue retention  
hole of 0.3 mm  
behind tips.

**Straight  
0.3 mm Hole**

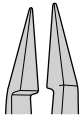
13 cm  
1 x 0.5 mm

**No. 18155-13**

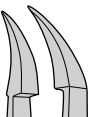


**Plastic**

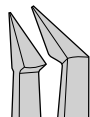
These forceps are non-magnetic, acid resistant and able to withstand temperatures up to 240 °C (464 °F). Tips do not spread under pressure. Plastic forceps are made of Acetyl and will be sold in packages of 10 pieces.

**Straight Sharp**

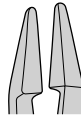
11.5 cm  
0.4 x 0.25 mm

**No. 11700-00****Curved Sharp**

11.5 cm  
0.3 x 0.2 mm

**No. 11700-01****Angled 45° Sharp**

11.5 cm  
0.3 x 0.2 mm

**No. 11700-02****Straight Blunt**

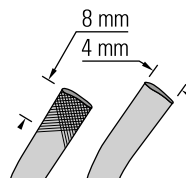
11.5 cm  
1.5 x 0.4 mm

**No. 11700-03****Curved Blunt**

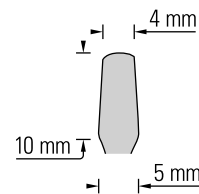
11.5 cm  
1.5 x 0.4 mm

**No. 11700-04****Self-Closing Forceps**

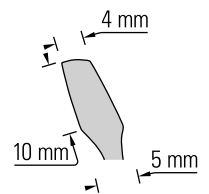
These tissue transport forceps have a gentle action.

**Angled Cross serrated**

10 cm  
4 x 8 mm

**No. 11075-00****Straight Smooth**

10.5 cm  
4 x 10 x 0.6 mm

**No. 11074-02****Angled Smooth**

10.5 cm  
4 x 10 x 0.6 mm

**No. 11073-10**

Ring Forceps

For transport of tissue and organs. With limit screw to prevent excessive applied pressure.

Circle Forceps

Cupped forceps for atraumatic gripping of organs and tissues.

Live Insect Handling

Very delicate.

FORCEPS/TWEEZERS



Straight  
Ring

8.5 cm  
ID: 1 mm OD: 1.5 mm  
x 0.5 mm

No. 11101-09



Straight  
Ring

9 cm  
ID: 2.2 mm OD: 3 mm  
x 1.3 mm

No. 11103-09



Straight  
Ring

9 cm  
ID: 4.8 mm OD: 6 mm x  
1.5 mm

No. 11106-09



Straight  
Circle

11.5 cm  
7 x 0.5 mm

No. 11072-11



Straight  
Narrow

10 cm  
0.9 x 0.15 mm

No. 26029-10



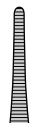
Straight  
Wide

10 cm  
2.3 x 0.3 mm

No. 26030-10

**Micro-Adson**

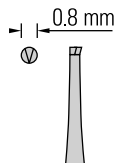
Our most delicate version of the popular Adson forceps.



**Straight  
Serrated**

12 cm  
0.8 x 0.9 mm

**No. 11018-12**



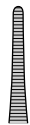
**Straight  
1x2 Teeth**

12 cm  
0.8 x 1.3 mm

**No. 11019-12**

**Micro-Adson with Fenestrated Handle**

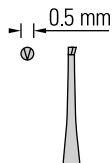
Our delicate Micro-Adson forceps, with five windows to aid in stability and easy finger adjustments.



**Straight  
Serrated**

12 cm  
0.8 x 1 mm

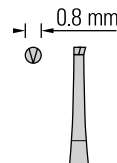
**No. 11020-12**



**Straight  
1x2 Teeth**

12 cm  
0.5 x 0.6 mm

**No. 11032-12**



**Straight  
Tying platform with  
1x2 teeth**

12 cm  
0.8 x 2 mm  
Tying platform: 6 mm

**No. 11022-12**

**Adson**

Wide, strong grip with narrow tips.



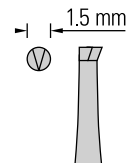
11506-12



**Straight  
Serrated**

12 cm  
1.5 x 1 mm

**No. 11006-12**



**Straight  
1x2 Teeth**

12 cm  
1.5 x 2 mm

**No. 11027-12**



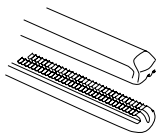
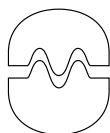
**Straight  
Cross Serrated  
Tungsten Carbide**

12 cm  
1.5 x 1.3 mm

**No. 11506-12**

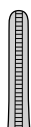
**Adson DeBakey**

Ideal for gentle, atraumatic gripping of vessels, tissue and other delicate structures. Two rows of atraumatic teeth interfit with one opposite row of atraumatic teeth.

**Atraumatic  
DeBakey Serrations**

This tooth pattern, as shown, consists of one row of atraumatic teeth meshed with two opposite rows of atraumatic teeth.

These two forceps are ideal for gentle, atraumatic gripping of vessels, tissue and other delicate structures.

**Straight  
DeBakey  
serrations**

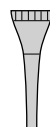
12.5 cm  
1.75 x 1.5 mm

No. 11617-12

**Straight  
DeBakey  
serrations**

15 cm  
1.75 x 1.5 mm

No. 11616-15

**Adson-Graefe****Straight  
Fine teeth**

12.5 cm  
4.5 x 1.25 mm

No. 11030-12

**Adson-Brown****Straight  
Shark teeth**

12 cm  
2 x 1.4 mm

No. 11627-12

**Anatomical Standard Models**

Broad pattern with strong spring action.

**Anatomical Narrow Models**

Lighter spring action than standard pattern for grasping more delicate tissue.



**MOST  
POPULAR**

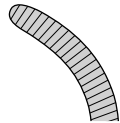


11602-14



**Straight  
Serrated**

| Length<br>(cm) | Tip width<br>(mm) | Item         |
|----------------|-------------------|--------------|
| 12             | 2.5               | No. 11000-12 |
| 13             | 2.8               | No. 11000-13 |
| 14.5           | 3.25              | No. 11000-14 |
| 16             | 3.3               | No. 11000-16 |
| 18             | 3.7               | No. 11000-18 |
| 20             | 3.75              | No. 11000-20 |
| 25             | 3.9               | No. 11000-25 |
| 30             | 4                 | No. 11000-30 |



**Curved  
Serrated**

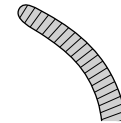
| Length<br>(cm) | Tip width<br>(mm) | Item         |
|----------------|-------------------|--------------|
| 12             | 2.5               | No. 11001-12 |
| 13             | 2.8               | No. 11001-13 |
| 14.5           | 3.25              | No. 11001-14 |
| 16             | 3.3               | No. 11001-16 |
| 18             | 3.7               | No. 11001-18 |
| 20             | 3.75              | No. 11001-20 |



**Straight  
Serrated**

| Length<br>(cm) | Tip width<br>(mm) | Item         |
|----------------|-------------------|--------------|
| 12             | 2                 | No. 11002-12 |
| 13             | 2.15              | No. 11002-13 |
| 14.5           | 2.25              | No. 11002-14 |
| 14.5           | 2.25              | No. 11602-14 |
| 16             | 2.35              | No. 11002-16 |
| 18             | 2.4               | No. 11002-18 |
| 20             | 2.75              | No. 11002-20 |
| 25             | 3.2               | No. 11002-25 |

TITANIUM



**Curved  
Serrated**

| Length<br>(cm) | Tip width<br>(mm) | Item         |
|----------------|-------------------|--------------|
| 12             | 2                 | No. 11003-12 |
| 13             | 2.15              | No. 11003-13 |
| 14.5           | 2.25              | No. 11003-14 |
| 16             | 2.35              | No. 11003-16 |
| 18             | 2.4               | No. 11003-18 |
| 20             | 2.75              | No. 11003-20 |

**Semken**

The Semken tweezers are characterized by their slim shape and fine tips. Their anatomical (toothed) or surgical (1x2 teeth) tips make them ideal for grasping tissue. The serrated grip surface ensures a secure hold during use.



11608-15



**Straight  
Serrated**

13 cm  
Tip width: 1.3 mm

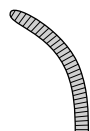
No. 11008-13

15 cm  
Tip width: 1.5 mm

No. 11008-15

15 cm  
Tip width: 1.5 mm  
Titanium

No. 11608-15



**Curved  
Serrated**

13 cm  
Tip width: 1.3 mm

No. 11009-13

15 cm  
Tip width: 1.5 mm

No. 11009-15



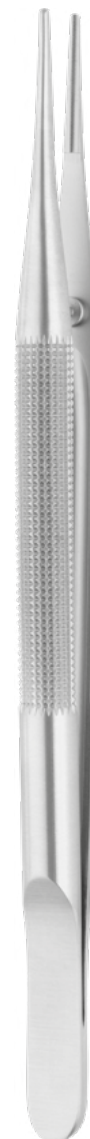
**Straight  
1x2 Teeth**

12.5 cm  
Tip width: 1.3 mm

No. 11024-12

**DeBakey Round Handled**

Ideal for gentle, atraumatic gripping of vessels, tissue and other delicate structures. Two rows of atraumatic teeth interfit with one opposite row of atraumatic teeth. The round handles allow easy fingertip adjustments.



**Straight  
DeBakey serrations**

15 cm  
Tip width: 1.2 mm

No. 11076-15

### Multipurpose Forceps

Balanced instruments are designed to put the center of gravity between the thumb and index finger. This is accomplished by adding a slight counter weight to the proximal end of the instruments. The design enhances tactile feel, aiding in better control and precision.

The tips of these multipurpose forceps are configured to enable their use as dilators at the front, as well as needle holders and tying forceps further in the back. The platform at the tips close parallel ensuring a reliable grip.



**Straight**  
**For Dilating and Suture tying**

14.5 cm  
Tip Ø: 0.1 mm

No. 18601-15



**Straight**  
**For Dilating and Suture tying**

15 cm  
Tip Ø: 0.3 mm

No. 18602-15



**Angled**  
**For Dilating**

14.5 cm  
Tip Ø: 0.2 mm

No. 18603-14

## Surgical Models Straight



**Straight**  
**1x2 Teeth / Narrow**

10 cm

No. 11023-10



**Straight**  
**1x2 Teeth / Standard**

12 cm

No. 11021-12



**Straight**  
**2x3 Teeth / Standard**

14.5 cm

No. 11022-14

14.5 cm

No. 11023-14

15.5 cm

No. 11023-15

14.5 cm

No. 11021-14

15.5 cm

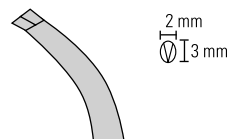
No. 11021-15

15.5 cm

No. 11022-15

## Surgical Models Curved

Used with rongeur No. 16021-14 in laminectomy  
to securely hold spinal column.

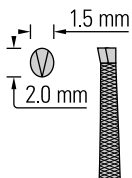


**Curved**  
**1x2 Teeth / Narrow**

14 cm

No. 11029-14



**Gillies**

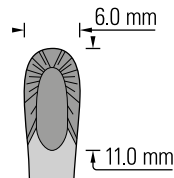
**Straight**  
**1x2 Teeth & cross serrated**

15 cm  
1.5 x 2 mm

**No. 11028-15**

**Russian**

Special cupped pattern for superior grip.



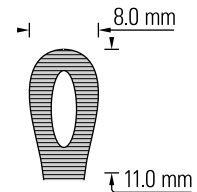
**Straight**  
**Cupped teeth**

15 cm  
6 x 11 mm

**No. 11026-15**

**Transport Forceps**

With limit screw to prevent excessive applied pressure.

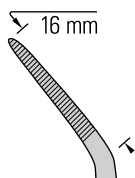


**Straight**  
**Serrated**

14.5 cm  
8 x 11 mm

**No. 11031-15**

## Flagg



**Angled  
Serrated**

16 cm  
1 x 0.9 mm

**No. 11080-02**

## Anatomical Titanium



**Straight  
Serrated**

16 cm  
0.5 x 0.5 mm

**No. 11602-16**

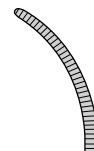
## Gerald



**Straight  
Serrated**

18 cm  
1.4 x 1 mm

**No. 11014-18**



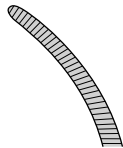
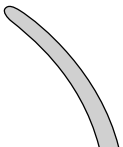
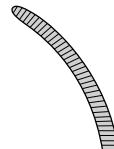
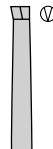
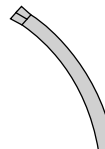
**Curved  
Serrated**

18 cm  
1.4 x 1 mm

**No. 11015-18**

**Taylor**

Serrated and smooth versions available.

**Straight Serrated**17 cm  
1.5 x 1 mm**No. 11010-17****Straight Smooth**17 cm  
1.5 x 1 mm**No. 11016-17****Curved Serrated**17 cm  
1.5 x 1 mm**No. 11011-17****Curved Smooth**17 cm  
1.5 x 1 mm**No. 11017-17****Potts-Smith****Straight Serrated**18 cm  
1.25 x 1 mm**No. 11012-18**21 cm  
1.8 x 1.5 mm**No. 11012-21**25 cm  
2 x 1.6 mm**No. 11012-25****Curved Serrated**18 cm  
1.25 x 1 mm**No. 11013-18**21 cm  
1.8 x 1.5 mm**No. 11013-21****Straight 1x2 Teeth**18 cm  
1.25 x 1 mm**No. 11024-18****Curved 1x2 Teeth**18 cm  
1.25 x 1 mm**No. 11025-18****Silicone Tipped Forceps**

Long handles make picking up small rodents easy and help prevent bites.

21 cm  
Forceps with serrated  
silicone tips  
15 x 20 mm**No. 11036-20**Replacement silicone tips  
Pkg. of 2 tips**No. 11036-90**

### Ultra Fine Hemostat

These are the finest hemostats in our product line.



**Straight  
Smooth**

12 cm  
Tip width: 0.6 mm

**No. 13020-12**



**Curved  
Smooth**

12 cm  
Tip width: 0.6 mm

**No. 13021-12**

### Fine Hemostat



**Straight  
Smooth**

12 cm  
Tip width: 1 mm

**No. 13006-12**



**Curved  
Smooth**

12 cm  
Tip width: 1 mm

**No. 13007-12**

## Micro-Mosquito



**Straight  
Serrated**

12.5 cm  
Tip width: 1 mm

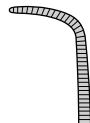
**No. 13010-12**



**Curved  
Serrated**

12.5 cm  
Tip width: 1 mm

**No. 13011-12**



**Angled 90°  
Serrated**

12.5 cm  
Tip width: 1 mm

**No. 13012-12**

## Mosquito



**MOST  
POPULAR**



**LEFT-HANDED**

13108-12  
13109-12



**Straight  
Serrated**

12.5 cm  
Tip width: 1.1 mm

**No. 13008-12**

Left handed

**No. 13108-12**



**Curved  
Serrated**

12.5 cm  
Tip width: 1.1 mm

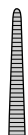
**No. 13009-12**

Left handed

**No. 13109-12**

Crile

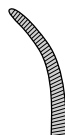
Kelly



**Straight  
Serrated**

14 cm  
Tip width: 1.5 mm

**No. 13004-14**



**Curved  
Serrated**

14 cm  
Tip width: 1.5 mm

**No. 13005-14**



**Straight  
Serrated**

14 cm  
Tip width: 1.5 mm

**No. 13018-14**



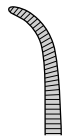
**Curved  
Serrated**

14 cm  
Tip width: 1.5 mm

**No. 13019-14**

## Adson-Baby

## Providence-Hospital



**Curved  
Serrated**

14 cm  
Tip width: 1.3 mm

**No. 13013-14**



**Straight  
Serrated**

14.5 cm  
Tip width: 1.5 mm

**No. 13014-14**



**Curved  
Serrated**

14.5 cm  
Tip width: 1.5 mm

**No. 13015-14**

Hartmann



**Straight  
Serrated**

10 cm  
Tip width: 1 mm

**No. 13002-10**



**Curved  
Serrated**

10 cm  
Tip width: 1 mm

**No. 13003-10**

Backhaus Towel Clamp



**Curved  
Round tips**

9 cm

**No. 11095-09**



**Curved  
Round tips**

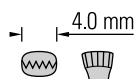
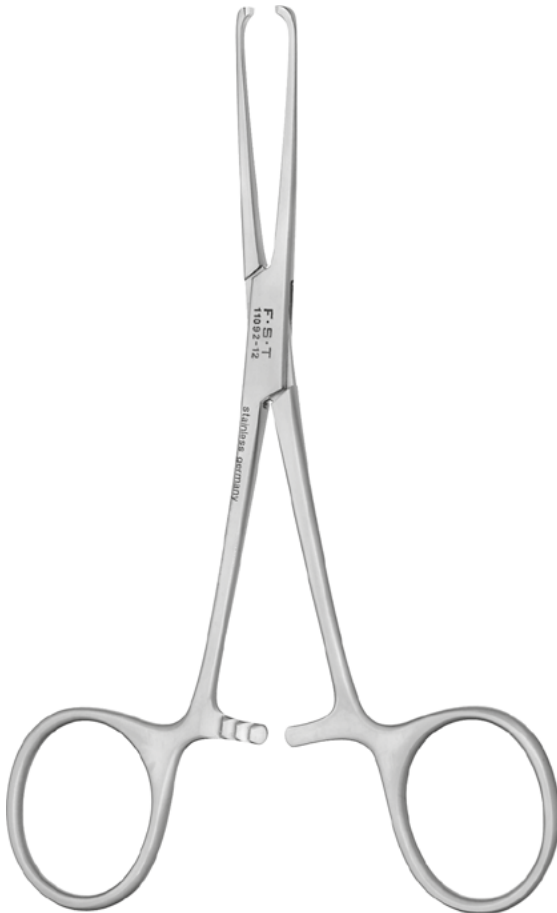
13 cm

**No. 11095-13**

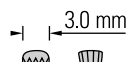


**Allis**

Tissue and organ holding forceps.

**Straight  
5x6 Teeth**

15 cm

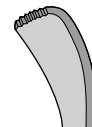
**No. 11091-15****Straight  
4x5 Teeth**

12 cm

**No. 11092-12****Curved  
Serrated**

10 cm

Tip width: 7 mm

**No. 11096-10****Curved  
Serrated**

13 cm

Tip width: 7 mm

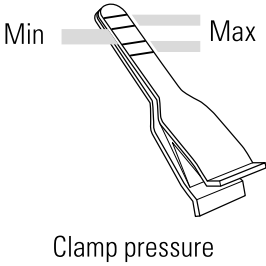
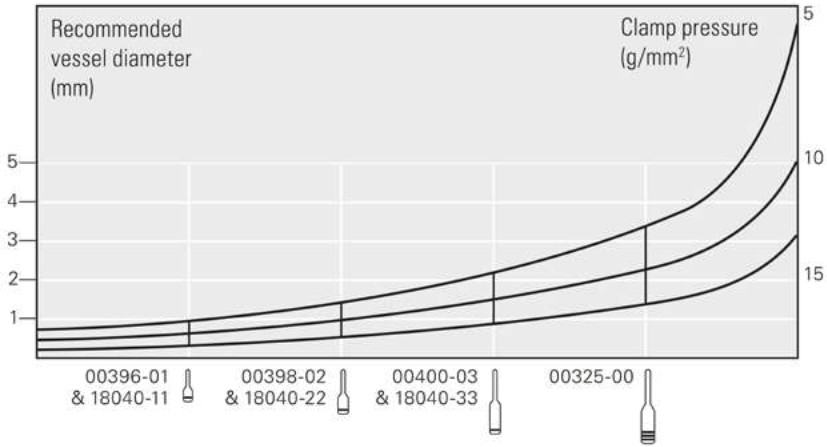
**No. 11096-13**

Clamp Size and Clamp Pressure

Clamp pressure is determined by the closing force of the clamp (in grams), divided by the area of the vessel wall that is compressed between the jaws (in square millimeters). Thus, the smaller the vessel, the higher the pressure exerted.

Despite the wide range of closing forces, the pressure exerted by each clamp, big or small, remains consistent throughout the series. Each size of clamp exerts a pressure of 5 g/mm<sup>2</sup> when used on the largest vessel in its range, and 15 g/mm<sup>2</sup> when used on the smallest vessel. Even at the higher range, S&T®'s micro clamps have the gentlest working pressure of any small vessel clamp available.

| Clamp (ea)          | L x W (mm) | Vessel Diameter Range (mm) |
|---------------------|------------|----------------------------|
| 00396-01 & 18040-11 | 3.5 x 1.0  | 0.4 - 1.0                  |
| 00398-02 & 18040-22 | 5.5 x 1.5  | 0.6 - 1.5                  |
| 00400-03 & 18040-33 | 7.5 x 1.75 | 1.0 - 2.25                 |
| 00325-00            | 10 x 2.15  | 2.0 - 5.0                  |



Micro Clamps



S&T B-1

No. 00396-01



S&T B-2

No. 00398-02



S&T B-3

No. 00400-03



S&T HD-S

No. 00325-00

Micro Double

For vascular approximation at anastomosis. These clamps are mounted on a 10 mm sliding bar and can easily be moved by applying gentle force. The distance between the jaws of the clamps is adjustable from 3 to 16 mm.



No. 18040-11



No. 18040-22

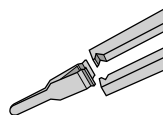


No. 18040-33

### Micro Clamp Applying Forceps

For use with S&T® vascular clamps.

S&T®



14 cm  
Lock: Yes

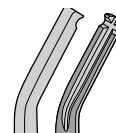
No. 00071-14

Lock: No

No. 00072-14

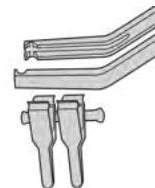
### Micro Clamps

Compatible with S&T® Clamps and Double Micro Clamps.  
For clamp sizes B-1, B-2, B-3, and HD-S, as well as Item Nos. 18040-11, 18040-22, and 18040-33.

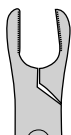


14.5 cm  
Lock: No

No. 18040-14



### Micro Clip Applicator with Lock



14 cm

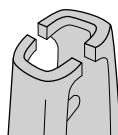
For use with 18055-XX and 18555-XX series micro serrefines.

Lock: Yes

No. 18056-14

### Micro Clip Applicator Forceps Style

This applicator features special U-shaped side supports for improved seating of the clips.



14 cm

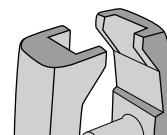
For use with 18055-XX and 18555-XX series micro serrefines.

Lock: No

No. 18057-14

### Biemer Clip Applicator Forceps Style

Application forceps for Biemer clamps made of Surgical Stainless Steel.



14 cm

For use with 18058-XX (Biemer Clip) series

Lock: No

No. 18059-14

### Micro Clips Stainless Steel

Used to obtain a clear surgical field for extended arterial cross-clamping.



Micro Clips should never be compressed with fingers; use only the appropriate applicator No. 18056-14 or No. 18057-14.

Delicate atraumatic serration



| Jaw dimensions (mm) | Total length (mm) | Jaw pressure (g) | Item         |  |
|---------------------|-------------------|------------------|--------------|--|
| 10 x 2              | 19                | 60               | No. 18055-01 |  |
| 8 x 2               | 16                | 85               | No. 18055-02 |  |
| 6 x 1               | 15                | 100              | No. 18055-03 |  |
| 4 x 0.75            | 13                | 125              | No. 18055-04 |  |

| Jaw dimensions (mm) | Total length (mm) | Jaw pressure (g) | Item         |  |
|---------------------|-------------------|------------------|--------------|--|
| 6 x 1               | 17                | 70               | No. 18055-05 |  |
| 6 x 1               | 16                | 70               | No. 18055-06 |  |

### Micro Clips Titanium

Lightweight with strong clamping pressure.

Delicate atraumatic serration



| Jaw dimensions (mm) | Total length (mm) | Jaw pressure (g) | Item         |  |
|---------------------|-------------------|------------------|--------------|--|
| 10 x 2              | 19                | 60               | No. 18555-01 |  |
| 8 x 2               | 16                | 85               | No. 18555-02 |  |
| 6 x 1               | 15                | 100              | No. 18555-03 |  |
| 4 x 0.75            | 13                | 125              | No. 18555-04 |  |

### Biemer Clips

Serrated: Yes  
Straight

Closing pressure:  
0.29 - 0.39 N / 30 - 40 g

15 mm  
Clamping Length: 6 mm

18 mm  
Clamping Length: 9 mm



No. 18058-15



No. 18058-18



Biemer clips should never be compressed with fingers; use only the appropriate applicator No. 18059-14.

### Mini Bulldog Artery Clip

Can be used with a minimum of distortion for MRI investigations.



Straight



No. 18144-30

30 mm  
Serrated: Yes  
Strong pressure

### Moria

#### Moria Vessel Clamp

Straight

33 mm  
Serrated: Yes  
Light pressure  
Jaw dimensions: 13 x 1.5 mm

Moria 201/A



No. 18320-11

#### Moria De Wecker Clamp

50 mm  
Serrated: No  
Strong pressure  
Jaw dimensions: 16 x 2.5 mm

Straight

Moria MC43



No. 18374-43

Curved

Moria MC44



No. 18374-44

## CLAMPS

### Diethrich

Serrated: Yes  
Closing pressure: 80 g



No. 18038-45

### Angled

50 mm



No. 18039-45

### Dieffenbach

Serrated: Yes

#### Straight

32 mm

Medium pressure



No. 18050-32

#### Curved

32 mm

Medium pressure



No. 18051-32



#### Straight

35 mm

Medium pressure

No. 18050-35



#### Curved

35 mm

Medium pressure

No. 18051-35

#### Straight

50 mm

Strong pressure

No. 18050-50

#### Curved

50 mm

Strong pressure

No. 18051-50

### Schwartz



Serrated: No  
Strong pressure  
26 mm

#### Straight



No. 18052-01

#### Light bend



No. 18052-02

#### Sharp bend



No. 18052-03

### Mini Serrefines

28 mm  
Medium pressure  
Serrated: Yes  
Jaw dimensions: 6 x 2 mm

#### Straight



No. 18054-28

#### Curved



No. 18053-28

## Vascular Occluders

### Applications

- Fast, dependable zero-flow baseline determination in blood flow studies.
- Partial to full occlusion of vessels for circulation research studies.
- Prolonged implantations, such as chronic blood flow studies.
- Constriction of soft organs in acute or chronic applications.

### Operation instruction

1. Apply the occluder cuff around the exposed blood vessel. Secure it in place with suture material through the eyelets.
2. Occlude the vessel to the desired degree by inflating the diaphragm with air or liquid injected into the actuating tube using a syringe and blunt needle. Clamp the tubing to maintain occlusion of the vessel over time.
3. To deflate, simply withdraw the air or liquid.



The actuating tube length is 90 cm and measures 0.76 mm ID x 1.6 mm OD. Detailed instructions are included.

A: Lumen diameter  
B: Cuff width  
C: Cuff thickness

#### VO-1.5 N

A: 1.5 mm - B: <3.5 mm - C: 1.5 mm

No. 18080-01

#### VO-2

A: 2 mm - B: 5 mm - C: 1.5 mm

No. 18080-02

#### VO-3

A: 3 mm - B: 5 mm - C: 1.5 mm

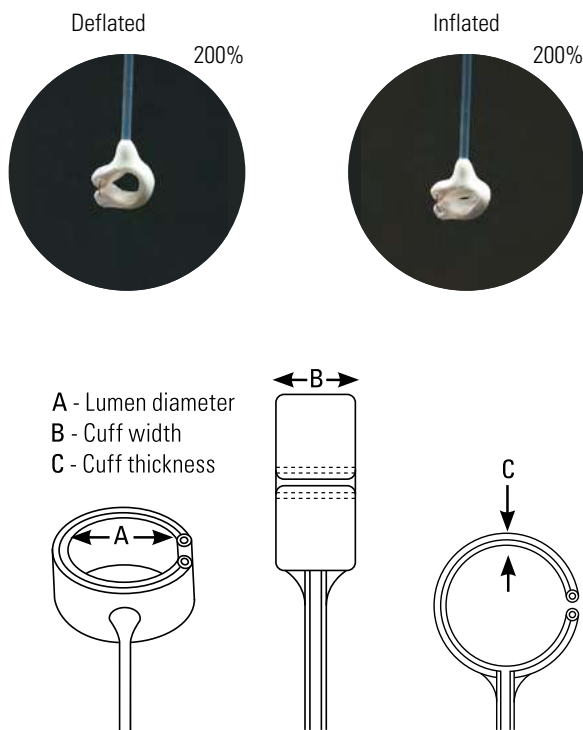
No. 18080-03

## Benefits

- Occlusion is accomplished without traction on vessels or surrounding tissues.
- The actuating tube may be exteriorized from the occlusion site for remote actuation.
- Performance during implantations is reliable and consistent.
- Easily maintained: can be autoclaved or cold sterilized.
- Made from soft, flexible 100% silicone rubber.
- Fully operational with instant response using air, liquids, or inert gases.

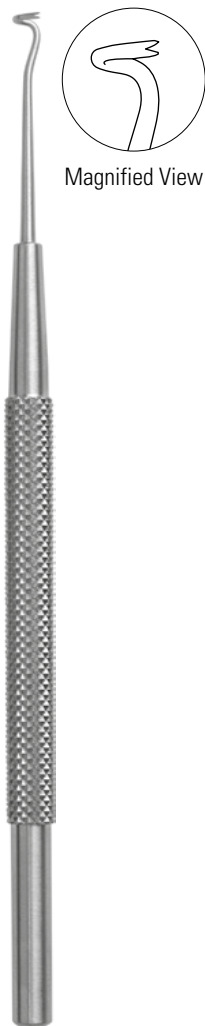
## Selection

The lumen diameter when deflated is usually the determining factor in the selection of the proper device. Select the occluder size that provides a slightly loose fit around the subject vessel. The cuff width and thickness will vary, depending on models and sizes.



### V-Hook

Aids in feeding fine suture around blood vessels, works very similar to ligation aids.



Magnified View

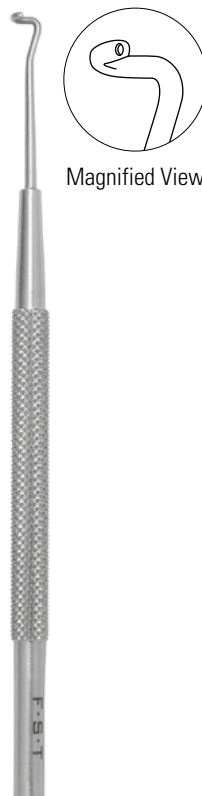


11 cm  
Tip Dimensions: 0.4 x 0.2 mm

No. 18052-12

### Ligation Aids

A handy instrument for leading a fine suture under and around a blood vessel for tying-off purposes. Also useful for ligating peripheral nerves. Grooves toward hole help threading.

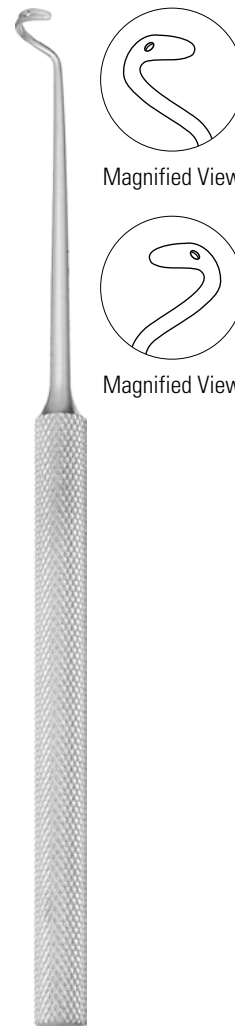


Magnified View

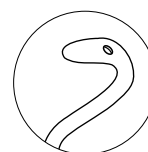


10.5 cm  
Hole Ø: 0.4 mm

No. 18062-12



Magnified View



Magnified View



13.5 cm  
Hole Ø: 1 mm

No. 18062-13



13.5 cm  
Hole Ø: 1 mm

No. 18063-13



### Vessel Dilators

Highly modified forceps with elongated, parallel tips which are highly polished. Designed for controlled intraluminal vessel dilation.

S&amp;T®

S&amp;T®



**Angled 10°**

11 cm  
Tip Ø: 0.1 mm

**No. 00126-11**

Tip Ø: 0.2 mm

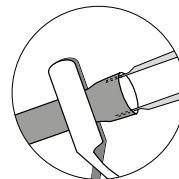
**No. 00125-11**



**Angled 45°**

13.5 cm  
Tip Ø: 0.2 mm

**No. 00276-13**



**Angled 10°**

12 cm  
Tip Ø: 0.1 mm

**No. 18131-12**

Tip Ø: 0.2 mm

**No. 18132-12**

### Micro Cannulation System

This micro cannula is most helpful for quick and easy insertion in arteries and veins. It can be used as an "indwelling" catheter during long term experiments. With care, thorough rinsing and sterilization, it can be reused several times. Detailed instructions are included.



#### Features

- Biocompatible Teflon® tubing.
- Cannula size 0.33 mm OD – 0.16 mm ID
- A pointed Surgical Stainless Steel stylus (trocar), to aid in vascular penetration and allow a maximum range of cannula manipulation during insertion.
- Contoured tip for easy insertion, fitted with shoulder for "tie-in" to prevent accidental removal.
- Female luer connection for linkage to infusion lines.

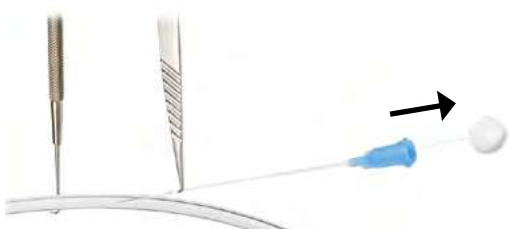
#### 1 Approach

Cannulation Forceps (Item No. 18403-11) and Spinal Cord Hook (Item No. 10162-12) aid in the insertion process.



#### 2 Insertion

Remove trocar and advance cannula.



#### 3 Secure

Use shoulder hub and suture to "tie in" cannula to prevent accidental removal.



Instruments sold separately.

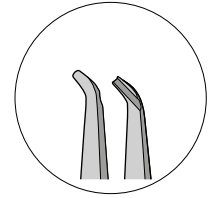
8 cm

Cannula size: 0.33 mm OD - 0.16 mm ID

No. 18000-10

### Tubing Introducer Forceps

These vessel cannulation forceps are useful whenever a fine plastic tube has to be introduced into a small blood vessel of almost equal size. The hollowed jaws hold the tubing securely without deforming it. The tip of the tubing is directed exactly into the vessel opening without damage to the vessel from unwanted movement.



**S&T**<sup>®</sup>

**F · S · T**  
by DUMONT<sup>®</sup>



For tubing of 0.35 mm OD  
11 cm

**No. 00608-11**

For tubing of 0.6 mm OD  
11 cm

**No. 00574-11**



For tubing of 0.35 mm OD  
13 cm

**No. 11280-11**

For tubing of 0.5 mm OD  
13 cm

**No. 11281-11**

For tubing of 1 mm OD  
13 cm

**No. 11282-11**



For tubing of 0.35 mm OD  
11.5 cm

**No. 18403-11**

For tubing of 0.6 mm OD  
11.5 cm

**No. 18406-11**

For tubing of 0.6 mm OD  
13.5 cm

**No. 18406-13**

# PROBES, NEEDLE HOLDERS, WOUND CLOSURE, RETRACTORS

|                |           |
|----------------|-----------|
| Probes & Hooks | 133 – 138 |
|----------------|-----------|

|          |           |
|----------|-----------|
| Spatulae | 139 – 142 |
|----------|-----------|

|        |     |
|--------|-----|
| Spoons | 143 |
|--------|-----|

|                |           |
|----------------|-----------|
| Pins & Holders | 144 – 145 |
|----------------|-----------|

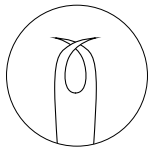
|               |           |
|---------------|-----------|
| Wound Closure | 146 – 156 |
|---------------|-----------|

|            |           |
|------------|-----------|
| Retractors | 157 – 163 |
|------------|-----------|

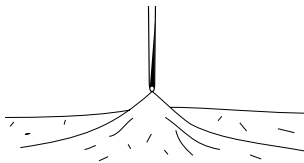


### Double Pronged Hook

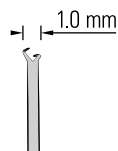
For peritoneum, pleura, endocardium, organ capsules and skin. Grasps lifts skin, tissue and dura etc.



Magnified View



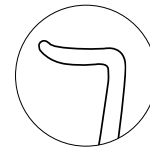
The tip consists of two very sharp, nearly horizontally opposed points. By applying gentle downward pressure and twisting slightly in a clockwise fashion, the points will embed themselves horizontally into fine membranes or skin etc., so that it may be lifted upward. This instrument also has been used successfully when separating fine tissue from an underlying area that is not to be cut.



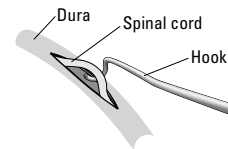
11 cm  
Tip Ø: 1 mm

**No. 18067-11**

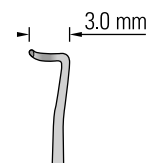
### Spinal Cord Hook



Magnified View



Shaped like a ligation aid and sized to isolate the spinal cord. The cord can then be cut with minimal damage to the dura.



11 cm  
Tip Ø: 3 mm

**No. 10162-12**

Tübingen Micro Probes

Micro Probes

Actual size



**Angled 45°**

13.5 cm  
Tip Ø: 0.03 mm

**No. 10032-13**



Actual size



**Straight**

13.5 cm  
Tip Ø: 0.03 mm

**No. 10030-13**

300%



**Angled 90° Short**

15.5 cm  
Tip Ø: 0.03 mm

**No. 10063-15**



Actual size



**Wide Hook**

13.5 cm  
Tip Ø: 0.03 mm

**No. 10033-13**

Actual size



**Narrow Hook**

13.5 cm  
Tip Ø: 0.03 mm

**No. 10031-13**

300%



**Angled 45°**

15.5 cm  
Tip Ø: 0.03 mm

**No. 10066-15**

300%



**Angled 90° Long**

15.5 cm  
Tip Ø: 0.03 mm

**No. 10065-15**

Probes and Explorers

Graefe Micro Hooks



Actual size



**Angled 80° Short**

15.5 cm  
Tip Ø: 0.12 mm

**No. 10140-04**

Actual size



**Straight**

15.5 cm  
Tip Ø: 0.25 mm

**No. 10140-01**

Actual size



**Angled 80° Long**

15.5 cm  
Tip Ø: 0.15 mm

**No. 10140-03**

Actual size



**Angled 80°**

15.5 cm  
Tip Ø: 0.15 mm

**No. 10140-02**

175%



**Micro hook**

13 cm  
Tip Ø: 0.05 mm

**No. 10064-14**



175%



**Blunt hook**

12 cm  
Tip Ø: 0.3 mm

**No. 10062-12**

175%



**Sharp hook**

12 cm  
Tip Ø: 0.075 mm

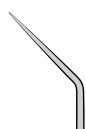
**No. 10061-12**

### Titanium Micro Point, Y-Hook, and Spatula

These instruments are lightweight, color coded for easy identification, have an ergonomic design and a non-reflective surface.



*Micro Point*



**Angled 45°**

12.5 cm  
Tip Ø: 0.4 mm

**No. 10165-11**



*Y-Hook*



**Angled 45°**

12.5 cm  
Tip width: 0.5 mm

**No. 10166-11**



*Micro Spatula*



**Angled 30°**

12.5 cm  
Tip: 0.25 x 0.6 mm

**No. 10167-11**



### Vessel Dilating Probe



**Angled**  
12.5 cm  
Tip Ø: 0.6 mm  
**No. 10160-13**

### Gross Anatomy Probe



**Angled 45°**  
15 cm  
Tip Ø: 1.2 mm  
**No. 10088-15**

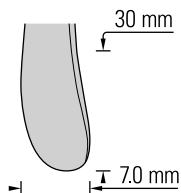
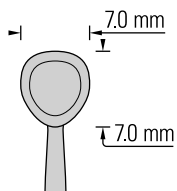
### Grooved Director

The Grooved Director is a specialized multipurpose device which is used by surgeons in different areas to probe cavities and wounds for example.



13 cm  
with Tongue Tie  
**No. 10290-13**

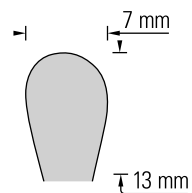
Combination Spoon and  
Spatula



17.5 cm  
Spoon: Ø 7 mm / Spatula: 30 x 7 mm

**No. 10090-17**

Combination Probe and  
Spatula



14 cm  
13 x 7 x 0.6 mm  
Tip Ø: 0.1 mm

**No. 10090-13**

### Micro Spatula



**Straight**

11 cm  
17.5 x 1 x 0.25 mm

**No. 10089-11**

### Mirror Finish Micro Spatula

Mirror finished to provide a non-stick spatula.

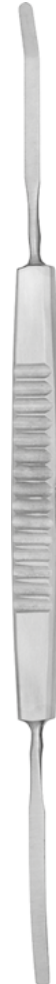


**Curved**

12 cm  
15 x 0.8 x 0.25 mm

**No. 10087-12**

### Double-Ended Micro Spatula



**Curved/Angled**

13 cm  
25 x 2 x 0.3 mm

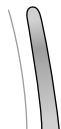
**No. 10091-12**

## Wecker Iris Spatula

**Curved**

12.5 cm  
20 x 1.8 x 0.3 mm

**No. 10092-12**

**Slightly curved**

12.5 cm  
23 x 1.8 x 0.3 mm

**No. 10093-13**

**Straight**

13 cm  
25 x 3 x 0.5 mm

**No. 10094-13**

Micro Spatula Kit

Kit with 4 pieces.



150% of actual size

SPATULAE



Straight

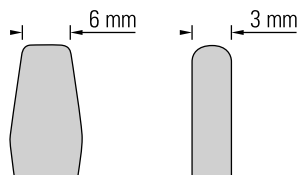
6 cm

Tip width: Black: 0.2 mm, Blue: 0.3 mm, Green: 0.5 mm, Red: 0.7 mm

No. 10098-06

### Mini Hippocampal Dissecting Tool

The instrument ends are malleable to allow you to adjust their shape to the correct angle for optimal positioning.

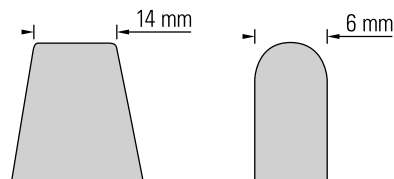
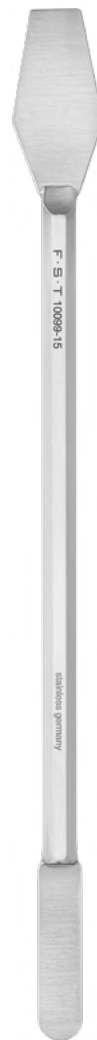


14.5 cm  
20 x 5 mm & 13 x 4 mm  
Tip thickness: 0.5 mm

**No. 10099-12**

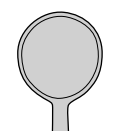
### Hippocampal Dissecting Tool

The instrument ends are malleable to allow you to adjust their shape to the correct angle for optimal positioning.



16 cm  
27 x 8 mm & 27 x 7 mm  
Tip thickness: 0.5 mm

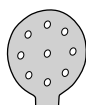
**No. 10099-15**

**Spoon****Moria***Moria 1121B*

12.5 cm  
Tip Ø: 8 mm  
Depth: 2 mm

**No. 10321-08****Mini Perforated Spoon**

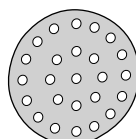
Most commonly used to take embryos out of solution and handling very small organs.

**Moria***Moria MC 17C*

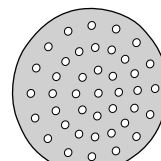
10 cm  
Tip Ø: 8 mm  
Depth: 1 mm  
Hole Ø: 0.8 mm

**No. 10370-19****Perforated Spoon**

Most commonly used to take embryos out of solution and handling very small organs.

**Moria***Moria MC 17 BIS*

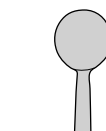
14.5 cm  
Tip Ø: 15 mm  
Depth: 3 mm  
Hole Ø: 0.9 mm

**No. 10370-18***Moria MC 17*

14.5 cm  
Tip Ø: 20 mm  
Depth: 5 mm  
Hole Ø: 0.9 mm

**No. 10370-17****Mirror Finish Cutting Spoon**

Non stick cutting spoon.



13 cm  
Tip Ø: 4.5 mm  
Depth: 0.15 mm

**No. 10360-13**

SPOONS

### Pin/Needle Holder

Light weight.



17 cm

Aluminum handle with nickel-plated chuck  
Jaw opening: 0 to 1 mm

**No. 26018-17**

### Moria Pin/Needle Holder



**Moria**



*Moria MC1*

12 cm

Nickel-plated  
Jaw opening: 0 to 1 mm

**No. 26016-12**



### Needle Inserts

All insert pins fit any of our pin holders.  
Pins are antimagnetic and acid resistant.

5 cm  
Surgical Stainless Steel (Inox)



Lancet

No. 26007-01



Straight

No. 26007-02



Curved

No. 26007-03



Lancet half

No. 26007-04



Spatula

No. 26007-05

### Minutien Pins Black Anodized

These high quality pins are black for  
best visibility under high magnification  
and bright light.

Tip Ø: 0.0175 mm  
Rod Ø: 0.15 mm  
1.2 cm

Box of 500 pins

No. 26002-15



### Minutien Pins Stainless Steel

The thinnest and finest  
pins available.



Tip Ø: 0.0125 mm  
Rod Ø: 0.1 mm  
1.2 cm

Box of 500 pins

No. 26002-10

Tip Ø: 0.0175 mm  
Rod Ø: 0.15 mm  
1.2 cm

Box of 500 pins

No. 26003-15

Tip Ø: 0.02 mm  
Rod Ø: 0.2 mm  
1.2 cm

Box of 500 pins

No. 26002-20

### Insect Pins Black Anodized

Nylon heads  
Tip Ø: 0.03 mm  
Pkg. of 100 pins

5.5 cm

|            |      |     |      |     |      |     |      |     |      |     |
|------------|------|-----|------|-----|------|-----|------|-----|------|-----|
|            | 4 cm |     |      |     |      |     |      |     |      |     |
| Size       | 000  | 00  | 0    | 1   | 2    | 3   | 4    | 5   | 6    | 7   |
| Rod Ø (mm) | 0.25 | 0.3 | 0.35 | 0.4 | 0.45 | 0.5 | 0.55 | 0.6 | 0.65 | 0.7 |

No. 26000 -25 -30 -35 -40 -45 -50 -55 -60 -65 -70

### Insect Pins Stainless Steel

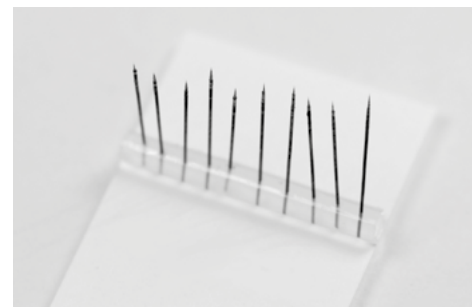
Nylon heads  
Tip Ø: 0.03 mm  
Pkg. of 100 pins

|            |      |     |      |     |      |     |      |     |      |     |
|------------|------|-----|------|-----|------|-----|------|-----|------|-----|
| Size       | 000  | 00  | 0    | 1   | 2    | 3   | 4    | 5   | 6    | 7   |
| Rod Ø (mm) | 0.25 | 0.3 | 0.35 | 0.4 | 0.45 | 0.5 | 0.55 | 0.6 | 0.65 | 0.7 |

No. 26001 -25 -30 -35 -40 -45 -50 -55 -60 -65 -70

### Etched Tungsten Micro Needles

These Tungsten micro needles are drawn to an approximate 1 micron tip and three different rod diameters are offered. Each provides lateral stability as well as minimal spring action during manipulation. The micro needles can be used with our pin holders shown on page 144.



Tip Ø: 1 µm  
Box of 10 needles

| Rod Ø (mm) | Item         |
|------------|--------------|
| 0.125      | No. 10130-05 |
| 0.25       | No. 10130-10 |
| 0.5        | No. 10130-20 |

## Castroviejo Micro

Micro pattern, with slightly blunted tips.



Never use a micro needle holder with needles that are too thick, as this can easily damage the fine jaws. Use only micro needles of less than 0.2 mm diameter (see page 152).



### Straight

9 cm  
Tip width: 0.6 mm  
Lock: Yes

**No. 12060-01**

Tip width: 0.6 mm  
Lock: No

**No. 12060-02**



### Curved

9 cm  
Tip width: 0.6 mm  
Lock: Yes

**No. 12061-01**

Tip width: 0.6 mm  
Lock: No

**No. 12061-02**

## Round-Handled Micro/Macro

These Round-Handled Needle Holders have a dual-purpose and can be used for microscopic and macroscopic applications. The fine tapered tips can be used to handle small needles up to 0.2 mm in diameter. While the remaining portion of the tip ensures a secure hold for larger needles. The balanced design improves control and stability, while the ergonomic handle enhances grip and reduces hand strain.



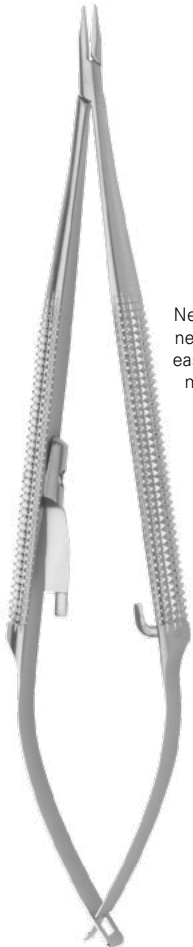
### Curved

13.5 cm  
Tip width: 0.4 mm  
Lock: No

**No. 12875-13**

### Round Handled Micro

Round handles allow easy fingertip adjustments.



**Straight**

12.5 cm  
Lock: Yes

**No. 12075-12**

Lock: No

**No. 12076-12**



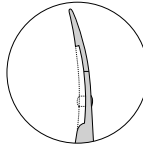
**Curved**

12.5 cm  
Lock: No

**No. 12074-12**

### Round Handled with Suture Cutter

Round handles allow easy fingertip adjustments.



Actual size



**Curved**

14 cm  
Cutting edge: 3.5 mm  
Lock: No

**No. 12075-14**

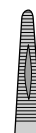


**CAUTIONARY  
NOTE**

Never use a micro needle holder with needles that are too thick, as this can easily damage the fine jaws. Use only micro needles of less than 0.2 mm diameter (see page 152).

### Kalt

The Kalt needle holder is characterized by its extraordinary design and good handling. The closure system closes softly and securely and can be easily opened again with your thumb.



**Straight**

Serrated: Yes  
14 cm  
Lock: Yes

**No. 12080-14**



**Curved**

Serrated: Yes  
14 cm  
Lock: Yes

**No. 12081-14**

## Castroviejo with Tungsten Carbide Jaws



**Straight**

14 cm  
Tungsten Carbide jaws  
Lock: Yes

**No. 12565-14**

## Mathieu

Extra slim and narrow profile, with squeeze-lock.  
Facilitates excellent wrist motion for suturing.



12510-14



14 cm

Extra narrow profile  
Lock: Yes

**No. 12010-14**

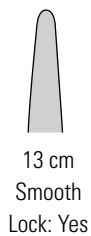
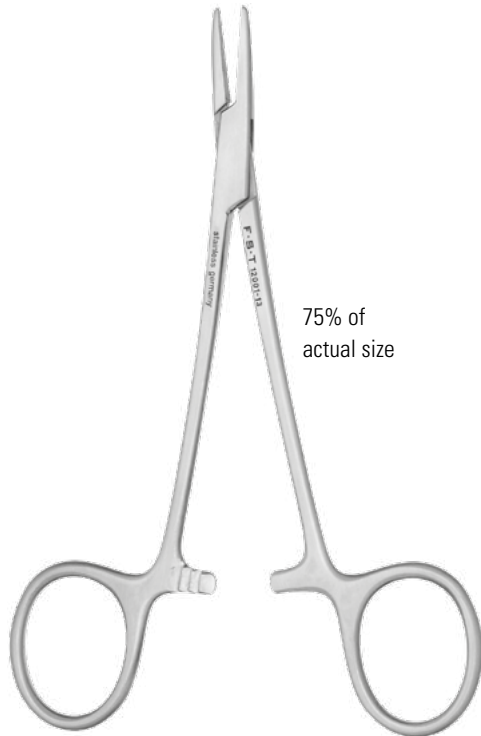


14 cm

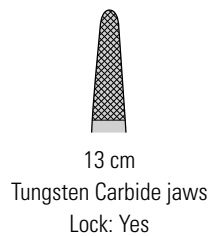
Tungsten Carbide jaws  
Lock: Yes

**No. 12510-14**

## Halsey

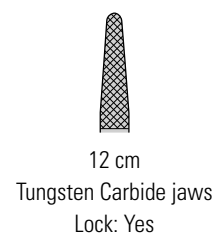


No. 12001-13



No. 12501-13

## Halsey Micro with Tungsten Carbide Jaws



No. 12500-12

WOUND CLOSURE

## Olsen-Hegar

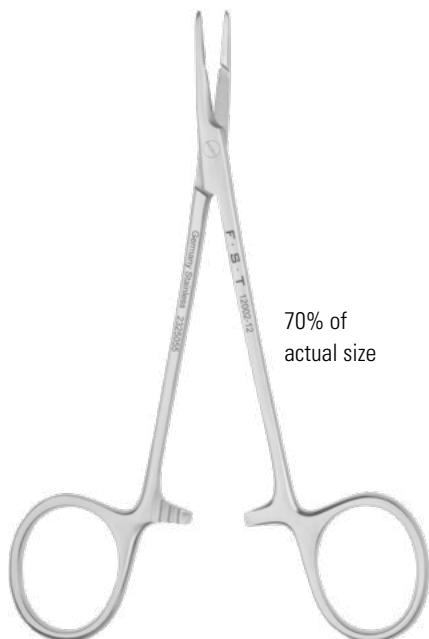


**MOST  
POPULAR**

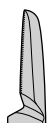


**LEFT-HANDED**

12102-12



70% of  
actual size



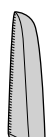
12 cm

Cutting edge: 10 mm

Lock: Yes

**No. 12002-12**

**No. 12102-12**



14 cm

Cutting edge: 15 mm

Lock: Yes

**No. 12002-14**

## Olsen-Hegar with Tungsten Carbide Jaws



**LEFT-HANDED**

12512-12



**TUNGSTEN  
CARBIDE**

12502-12

12512-12



70% of  
actual size



12 cm

Tungsten Carbide jaws

Cutting edge: 10 mm

Lock: Yes

**No. 12502-12**

**No. 12512-12**



14 cm

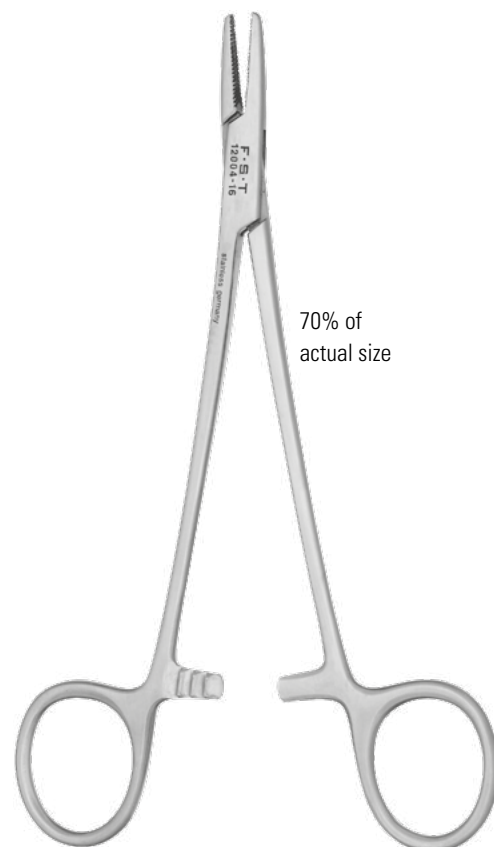
Tungsten Carbide jaws

Cutting edge: 15 mm

Lock: Yes

**No. 12502-14**

## Mayo-Hegar



70% of  
actual size



15 cm

Lock: Yes

**No. 12004-16**



18 cm

Lock: Yes

**No. 12004-18**

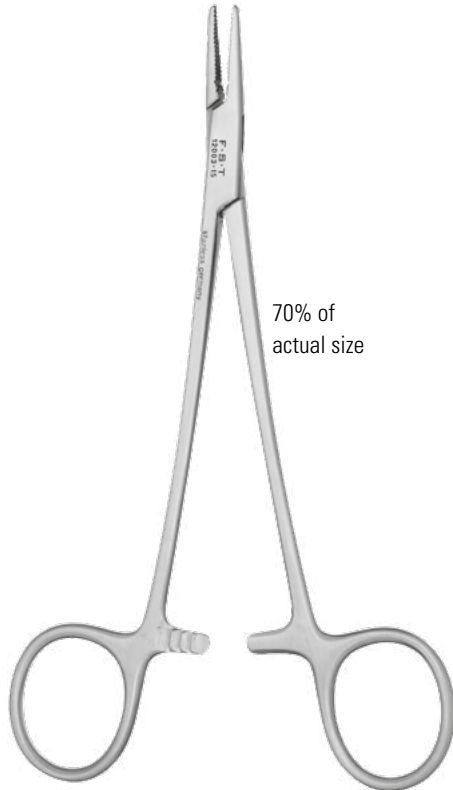
Crile-Wood



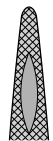
12504-15



12503-15  
12504-15



70% of  
actual size



15 cm

Lock: Yes

No. 12003-15



15 cm

Lock: Yes

No. 12503-15

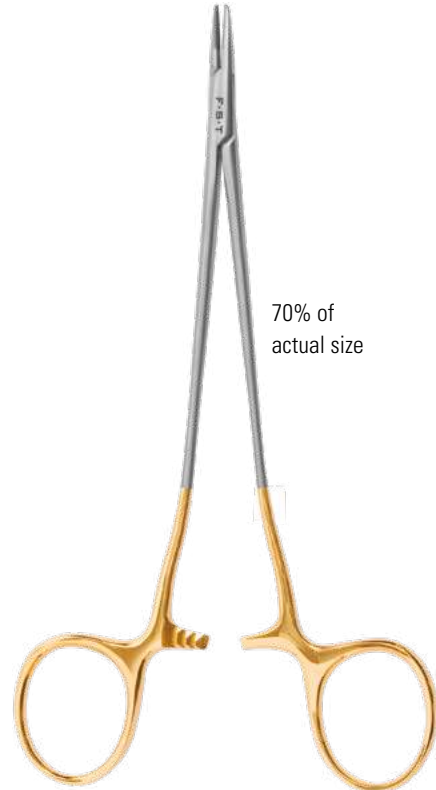


15 cm

Lock: Yes

No. 12504-15

Slim Elongated with Tungsten  
Carbide Jaws



70% of  
actual size



15 cm

Tungsten Carbide jaws

Lock: Yes

No. 12005-15

WOUND CLOSURE

Microsurgical Needles with Suture Thread Attached

The combination of proprietary needle design technology and state-of-the-art manufacturing techniques has enabled FST® to provide a microsurgical needle that is unmatched in the industry. FST microsurgical needles provide frictionless tissue penetration. They are inspected under the microscope at critical stages during the manufacturing process, and a multi-point final inspection of each suture and needle combination ensures a high quality product.

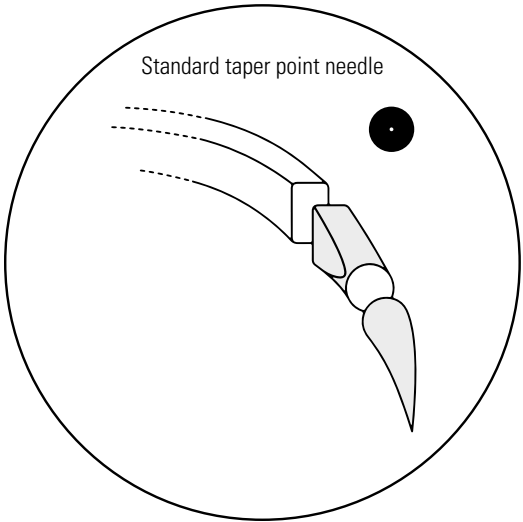
The suture-to-needle attachment is tested to higher standards than the USP specifications.

Features:

- Needle and thread combination comprising of nonabsorbable black nylon polyamide monofilament thread and Surgical Stainless Steel 3/8 circle needle. Nylon is suitable for closing ophthalmic, neurological and microvascular wounds.
- 3/8 circle precision taper point. Surgical Stainless Steel needle honed under microscope by hand. Superfine round tip with flattened body to improve stability in needle holder. Easy penetration. Precise stitch placement.
- Grinding geometry and suture needle attachment are directed toward frictionless tissue penetration.
- Each needle suture combination is individually packed and sealed in a peel-open blister pack.

Sterile

Pkg. of 12 disposable units



400% of actual size

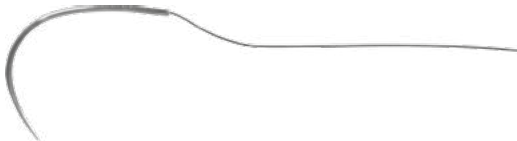
No. 12052-11



No. 12052-10



No. 12052-09



No. 12052-08



| Suture size | Suture length<br>(cm) | Needle Ø<br>(micron) | Needle Ø<br>(mm) | Needle chord length<br>(mm) | Circle | Item         |
|-------------|-----------------------|----------------------|------------------|-----------------------------|--------|--------------|
| 8/0         | 15                    | 140                  | 0.14             | 29                          | 3/8    | No. 12052-08 |
| 9/0         | 15                    | 100                  | 0.1              | 24                          | 3/8    | No. 12052-09 |
| 10/0        | 10                    | 70                   | 0.07             | 18                          | 3/8    | No. 12052-10 |
| 11/0        | 10                    | 50                   | 0.05             | 16                          | 3/8    | No. 12052-11 |



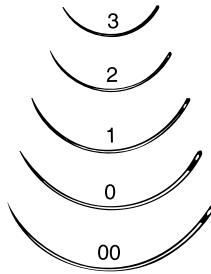
### Kalt Suture Needles

- Polished Surgical Stainless Steel
- 3/8 curved
- Round with standard eye
- Suitable for sutures up to 0.32 mm diameter

Ø: 0.35 mm

**Sterile: No**

Pkg. of 12 needles



| Size | Needle Chord Length (mm) | Item         |
|------|--------------------------|--------------|
| 3    | 12 mm                    | No. 12050-03 |
| 2    | 16 mm                    | No. 12050-02 |
| 1    | 20 mm                    | No. 12050-01 |
| 0    | 23 mm                    | No. 12050-10 |
| 00   | 26 mm                    | No. 12050-20 |

### Silk Suture

Silk suture has a smooth flow through tissue while maintaining knot security.

Braided Silk

**Sterile: No**

Can be ETO sterilized



| Size | Suture Ø (mm) | Spool length (m) | Item         |
|------|---------------|------------------|--------------|
| 7/0  | 0.05          | 91               | No. 18020-70 |
| 6/0  | 0.08          | 23               | No. 18020-60 |
| 5/0  | 0.12          | 23               | No. 18020-50 |
| 4/0  | 0.17          | 23               | No. 18020-40 |
| 3/0  | 0.22          | 23               | No. 18020-30 |
| 2/0  | 0.32          | 23               | No. 18020-20 |
| 0    | 0.37          | 23               | No. 18020-00 |
| 1    | 0.45          | 23               | No. 18020-01 |
| 2    | 0.55          | 23               | No. 18020-02 |
| 3    | 0.65          | 23               | No. 18020-03 |

**For Suture Tying Forceps, see pages 99 - 101 and 111.**

### Nylon Monofilament Suture

Nylon is known for its uniform diameter flexibility and outstanding consistent knot security.

Nylon monofilament

**Sterile: No**

Can be ETO sterilized



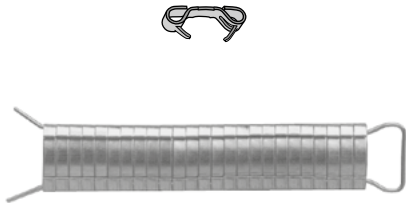
| Size | Suture Ø (mm) | Spool length (m) | Item         |
|------|---------------|------------------|--------------|
| 8/0  | 0.04          | 91               | No. 18030-80 |
| 7/0  | 0.05          | 91               | No. 18030-70 |
| 6/0  | 0.07          | 91               | No. 18030-60 |
| 5/0  | 0.1           | 91               | No. 18030-50 |
| 4/0  | 0.15          | 91               | No. 18030-40 |
| 3/0  | 0.2           | 91               | No. 18030-30 |

CLIPS

Michel Suture Clips

- Anti-magnetic
- Acid-resistant Surgical Stainless Steel
- Pkg. of 1,000 clips

| Size<br>(mm) | Item         |
|--------------|--------------|
| 7.5 x 1.75   | No. 12040-01 |
| 11 x 2       | No. 12040-02 |
| 12 x 2.5     | No. 12040-03 |



Applying Forceps



12.5 cm  
For clip sizes 12040-02 and  
12040-03

No. 12018-12

Applying and Removing Instruments



**Angled**  
13 cm  
For clip size 12040-01

No. 12029-12

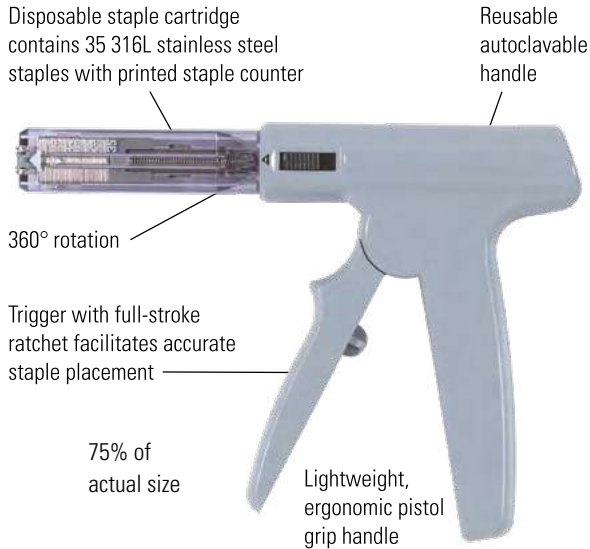
**Curved**  
13 cm  
For clip sizes 12040-02 and  
12040-03

No. 12028-12

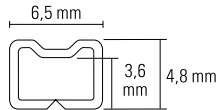
### Reloadable Skin Stapler with Rotating Head

The 360° swivel nose and unique design offers maximum visibility at the delivery point. The Surgical Stainless Steel staples are non-sterile and feature a patented staple design which make for quick and easy removal. The disposable staple cartridge includes a printed staple counter.

**The handle is reusable and autoclavable. Staples are non-sterile. Components sold separately or as a kit.**



Staple Dimensions:



Staple, actual size:



#### Surgical staple kit

- 1 Handle
- 1 Remover
- 12 Disposable staple cartridges

**No. 12030-20**

Single disposable cartridge  
35 staples per cartridge

**No. 12030-22**

12 disposable cartridges  
35 staples per cartridge

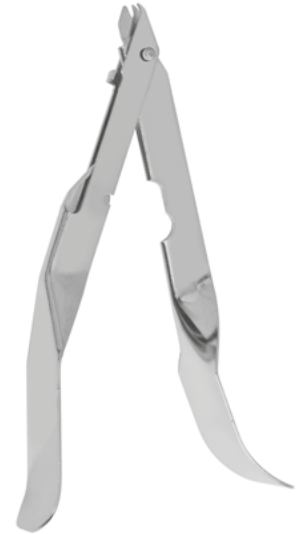
**No. 12030-23**

Handle

**No. 12030-01**

### Surgical Staple Remover

Compatible with Reloadable Skin Stapler with Rotating Head and Manipler® Skin Stapler.



10 cm

**No. 12030-04**

WOUND CLOSURE

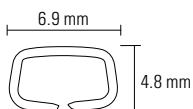
### Manipler® Skin Stapler

Quality, slim, lightweight design with consistent actuation and staple count indicator.

**Disposable and sterile.**



Staple Dimensions:



Staple, actual size:

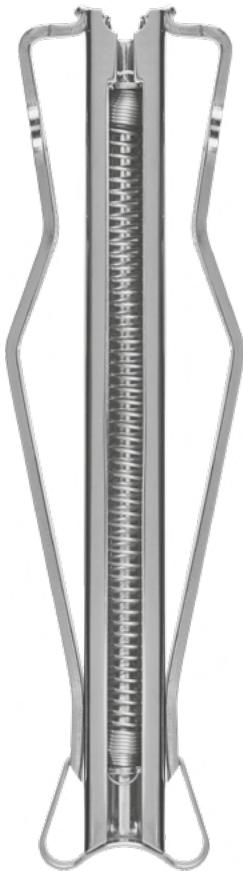


15 cm  
35 staples per cartridge

**No. 12035-00**

AutoClip® System

The AutoClip® System is a safe, secure method of wound closure. Faster and easier than suture, this system is perfect when staples may be too thin to provide adequate closure. **Non-sterile. Components sold separately or as a kit.** We recommend using wet steam sterilization at 120-125 °C for at least 30 minutes in an autoclave to sterilize the device.



Applier



Clips



Remover

WOUND CLOSURE

AutoClip® Kit

- 1 Applier
- 9 mm clips (100)
- 1 Remover
- Storage case

AutoClip® applier  
11.5 cm

AutoClip® clips  
9 mm  
Pkg. of 100 clips

AutoClip® clips  
9 mm  
Pkg. of 1,000 clips

AutoClip® remover  
12.5 cm

No. 12020-00

No. 12020-09

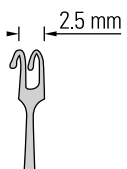
No. 12022-09

No. 12022-19

No. 12023-00

**Guthrie**

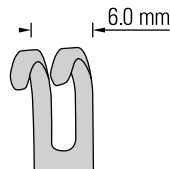
Extra delicate pattern.



13 cm  
2 Blunt

**No. 17021-13**

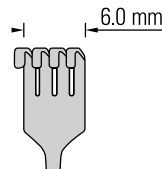
**Fine**



13.5 cm  
2 Blunt

**No. 17023-13**

**Blair**



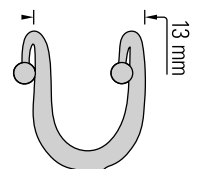
13 cm  
4 Blunt

**No. 17022-13**

**Fomon**



80% of  
actual size

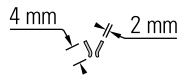


17 cm  
2 with 2 mm Ball each tip

**No. 17020-17**

RETRACTORS

Goldstein Mini with Blades



2 cm  
Max. spread: 1 cm  
Atraumatic blades

**No. 17004-03**

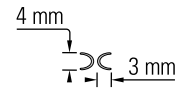
Goldstein Mini



2 cm  
Max. spread: 0.5 cm  
3 x 3 Sharp teeth

**No. 17002-02**

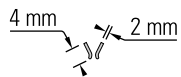
Barraquer Mini



2 cm  
Max. spread: 1 cm

**No. 17000-01**

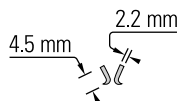
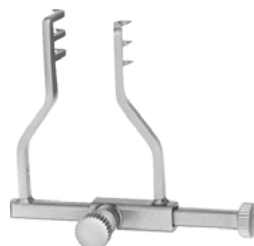
Goldstein Mini with Blunt Teeth



2 cm  
Max. spread: 1 cm  
2 x 2 Blunt teeth

**No. 17005-03**

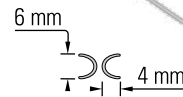
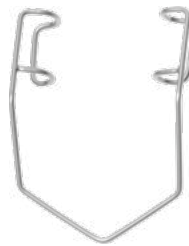
Goldstein



3 cm  
Max. spread: 1.8 cm  
3 x 3 Sharp teeth

**No. 17003-03**

Barraquer

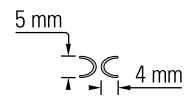


3 cm  
Max. spread: 1.5 cm

**No. 17000-03**

4 cm  
Max. spread: 1.5 cm

**No. 17000-04**

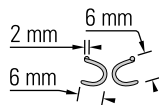


3 cm  
Max. spread: 1.2 cm

**No. 17000-02**

# Corcelle Speculum

**Moria**

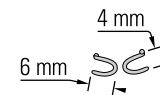


*Moria 7699*

4.5 cm  
Max. spread: 3.5 cm  
Curved

**No. 17370-53**

# Fine Adjustable Spring Wire

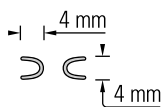
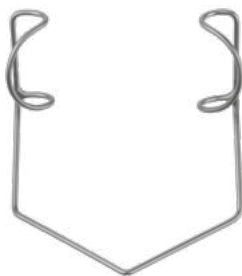


5 cm  
Max. spread: 3.5 cm  
Curved

**No. 17004-05**

# Barraquer

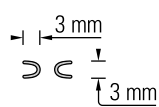
**Moria**



*Moria 6346D*

3.4 cm  
Max. spread: 1.5 cm

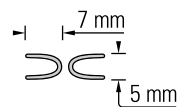
**No. 17300-02**



*Moria 6346C*

3.3 cm  
Max. spread: 1.5 cm

**No. 17300-03**

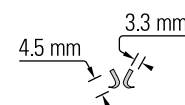


*Moria 6346B*

3.5 cm  
Max. spread: 2 cm

**No. 17300-04**

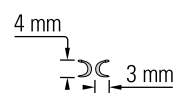
# Agricola



4 cm  
Max. spread: 3.5 cm  
3 x 3 Sharp teeth

**No. 17005-04**

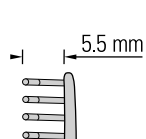
## Liebermann with Wire Teeth



7 cm  
Max. spread: 4 cm  
Wire Slightly curved down

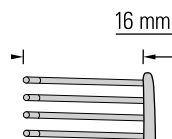
**No. 17010-07**

## Alm



7 cm  
Max. spread: 4 cm  
Slightly curved  
4 x 4 Blunt

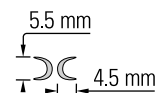
**No. 17008-07**



7 cm  
Max. spread: 4 cm  
Blunt teeth  
4 x 4 Blunt

**No. 17009-07**

## Liebermann



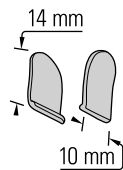
8 cm  
Max. spread: 4.5 cm  
Blades

**No. 17009-08**



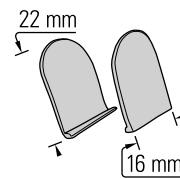
**Spring-Loaded Retractor**

Curved atraumatic blades.



6 cm  
Max. spread: 3 cm

14 x 10 mm

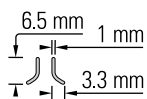
**No. 17006-05**

8 cm  
Max. spread: 5 cm

22 x 16 mm

**No. 17007-08**

## Heiss



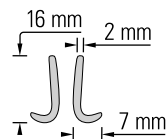
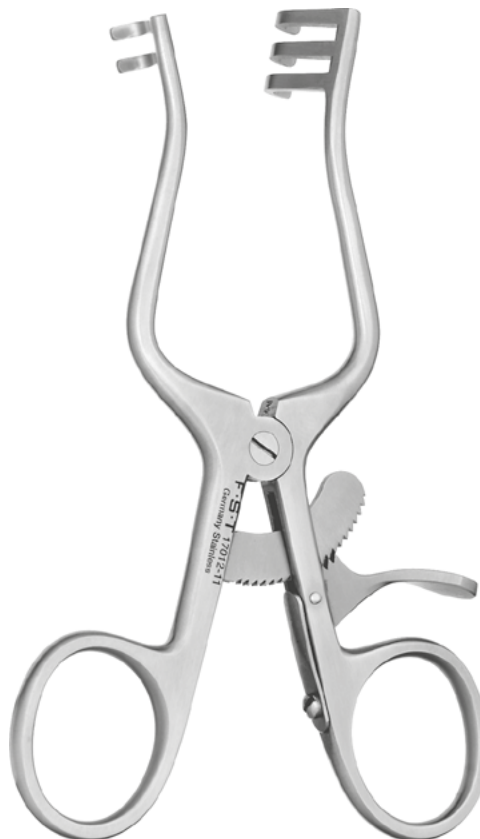
4 x 4 Blunt teeth

10 cm

Max. spread: 2.3 cm

**No. 17011-10**

## Weitlaner



Straight  
2 x 3 Blunt teeth

10.5 cm

Max. spread: 4 cm

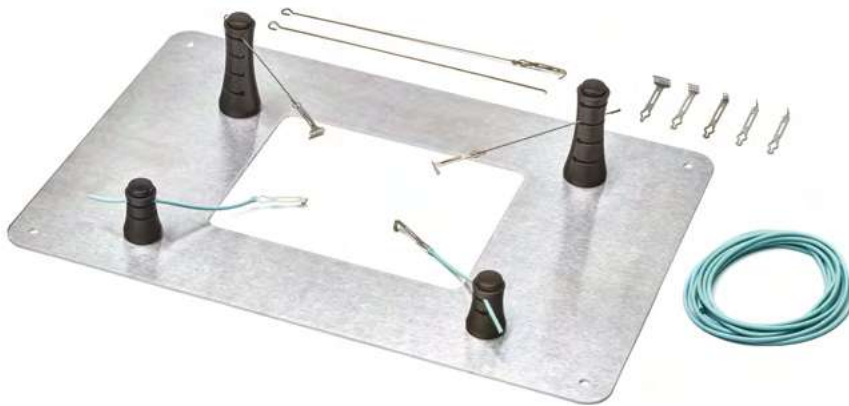
**No. 17012-11**

Straight  
3 x 4 Blunt teeth

13 cm

Max. spread: 4 cm

**No. 17012-13**



### Magnetic Fixator Retraction System

This Small Animal Retraction System simplifies set-up procedure and provides the examiner with an excellent overview of the operative site. It consists of three components: Base Plate (Nos. 18200-03 & 18200-04); Fixators (Nos. 18200-01 & 18200-02); and Retractors (Nos. 18200-05 through 18200-12).

The Base Plates are made from magnetic Stainless Steel and are available in two sizes. The surface is nonreflective and both plates have a window in the center which allows the animal contact with body temperature control systems. The window sizes are 10 x 13 cm for the small base plate and 15 x 25 cm for the large.

The Fixators are movable anchors made from anodized aluminum with a surgical grade rare earth magnet in the base for attachment anywhere on the Base Plate. The magnets do not interfere with lab electronics and can be used in close proximity (3 cm) to ferro-magnetic items. They incorporate pushbutton-activated spring locks that grip either the Wire or Elastomer Retractors.

The Retractors are interchangeable Retractor Tips (Nos. 18200-08 through 18200-12) which attach to either Retractor Wire (Nos. 18200-05 & 18200-06) for static retraction or to Elastomer (No. 18200-07) for dynamic retraction. The Retractor Tips are light and atraumatic to delicate tissue or membrane.

**All items are autoclavable, except for the elastomers.**

#### Kit for animals up to 200 g

Includes:

- 1 Small base plate (No. 18200-03)
- 2 Short fixators (No. 18200-01)
- 1 Tall fixator (No. 18200-02)
- 1 Elastomer, 2 m roll (No. 18200-07)
- 1 Package of retractors, blunt, 1 mm wide (No. 18200-09)
- 1 Package of retractors, blunt, 2.5 mm wide (No. 18200-10)

No substitutions

**No. 18200-20**



#### Kit for animals from 200 g up to 5 kg

Includes:

- 1 Large base plate (No. 18200-04)
- 2 Short fixators (No. 18200-01)
- 2 Tall fixators (No. 18200-02)
- 1 Elastomer, 2 m roll (No. 18200-07)
- 1 Package of retractors, blunt, 2.5 mm wide (No. 18200-10)
- 1 Package of retractors, blunt, 5 mm wide (No. 18200-11)

No substitutions

**No. 18200-50**

#### Individual parts:

Short fixator, 3 cm high  
Each

**No. 18200-01**

Tall fixator, 6 cm high  
Each

**No. 18200-02**

Small base plate, 20 x 30 cm  
Each

**No. 18200-03**

Large base plate, 25 x 35 cm  
Each

**No. 18200-04**

Wire handles, 10 cm long  
Pkg. of 10

**No. 18200-05**

Wire handles, 14 cm long  
Pkg. of 10

**No. 18200-06**

Elastomer, 2 m roll

**No. 18200-07**

Sharp retractors, 1 mm wide  
Pkg. of 10

**No. 18200-08**

Blunt retractors, 1 mm wide  
Pkg. of 10

**No. 18200-09**

Blunt retractors, 2.5 mm wide  
Pkg. of 10

**No. 18200-10**

Blunt retractors, 5 mm wide  
Pkg. of 10

**No. 18200-11**

Blunt retractors, 7.5 mm wide  
Pkg. of 10

**No. 18200-12**

# ACCESSORIES & INSTRUMENT CARE

Animal Accessories 165 – 170

Instrument Care & Accessories 171 – 182

Surgical Accessories 183 – 186

Laboratory Accessories 187 – 197



Reusable Feeding Needles Ball Tip

Surgical Stainless Steel feeding needles with luer lock hub. Also ideal for transcardiac perfusions with a fixative. The needles come with a round tip.



| Gauge | Length<br>(mm) | Tip Ø<br>(mm) | Shape    | Mice<br>(g) | Rats<br>(g) | Guinea pigs<br>(g) | Item         |
|-------|----------------|---------------|----------|-------------|-------------|--------------------|--------------|
| 24    | 25             | 1.25          | Straight | >14         |             |                    | No. 18061-24 |
| 22    | 25             | 1.25          | Straight | 15-20       |             |                    | No. 18061-22 |
| 20    | 38             | 2.25          | Straight | 20-25       | 50-75       |                    | No. 18064-20 |
| 20    | 38             | 2.25          | Curved   | 20-25       | 50-75       |                    | No. 18065-20 |
| 18    | 38             | 2.25          | Straight | 20-30       | 100-200     | 250-300            | No. 18061-38 |
| 18    | 50             | 2.25          | Curved   | 25-30       | 100-200     | 250-300            | No. 18061-50 |
| 16    | 75             | 3             | Curved   |             | 150-300     | 350-450            | No. 18061-75 |
| 16    | 100            | 3             | Curved   |             | 150-300     | 350-450            | No. 18061-10 |

These needles come with a barrel tip.



| Gauge | Length<br>(mm) | Tip Ø<br>(mm) | Shape    | Mice<br>(g) | Rats<br>(g) | Guinea pigs<br>(g) | Item         |
|-------|----------------|---------------|----------|-------------|-------------|--------------------|--------------|
| 24    | 25             | 1.7           | Straight | >14         |             |                    | No. 18060-24 |
| 22    | 25             | 1.7           | Straight | 15-20       |             |                    | No. 18060-22 |
| 20    | 30             | 1.7           | Straight | 20-25       | 50-75       |                    | No. 18060-20 |
| 20    | 38             | 1.7           | Straight | 20-25       | 50-75       |                    | No. 18063-20 |
| 20    | 38             | 1.7           | Curved   | 20-25       | 50-75       |                    | No. 18067-20 |
| 18    | 38             | 1.7           | Straight | 20-30       | 100-200     | 250-300            | No. 18060-18 |
| 18    | 50             | 2             | Curved   | 25-30       | 100-200     | 250-300            | No. 18067-50 |
| 16    | 75             | 2.4           | Curved   |             | 150-300     | 350-450            | No. 18067-75 |
| 16    | 100            | 2.4           | Curved   |             | 150-300     | 350-450            | No. 18067-10 |

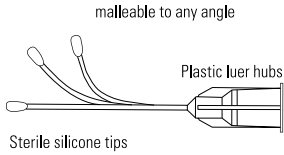
Single Use Feeding Needles

These economical feeding needles feature plastic luer hubs with silicone tips. They are nontoxic and nonpyrogenic. Needles can be easily formed to any desired shape. **Sterile.**

Pkg. of 5 needles



No. 18061-20



| Gauge | Length<br>(mm) | Tip Ø<br>(mm) | Mice<br>(g) | Rats<br>(g) | Guinea pigs<br>(g) | Item         |
|-------|----------------|---------------|-------------|-------------|--------------------|--------------|
| 20    | 38             | 1.75          | 20-25       | 50-75       |                    | No. 18061-20 |
| 18    | 50             | 2.5           | 25-30       | 100-200     |                    | No. 18061-18 |
| 15    | 75             | 3             |             | 200-350     | 400-600            | No. 18061-15 |

Disposable Flexible PTFE Feeding Needles

These affordable needles feature flexible PTFE tube with silicone tip and plastic luer hub, delivered in sterile pouches. They are very flexible, and translucent for easy confirmation of reagent delivery. The soft silicone tips are non-toxic and non-pyrogenic and ensure that no damage occurs during the insertion. **Sterile.**

Pkg. of 5 needles



No. 18961-85

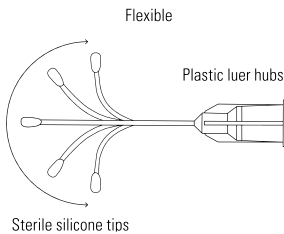
No. 18961-75

No. 18961-15

No. 18961-17

No. 18961-18

No. 18961-20



| Gauge | Length<br>(mm) | Tip Ø<br>(mm) | Mice<br>(g) | Rats<br>(g) | Guinea pigs<br>(g) | Item         |
|-------|----------------|---------------|-------------|-------------|--------------------|--------------|
| 20    | 38             | 1.8           | 20-25       | 50-75       |                    | No. 18961-20 |
| 18    | 38             | 2             | 20-30       | 100-200     | 250-300            | No. 18961-18 |
| 17    | 52             | 2.4           | 25-30       | 100-200     | 250-300            | No. 18961-17 |
| 15    | 78             | 2.6           |             | 200-350     | 400-600            | No. 18961-15 |
| 18    | 75             | 2             | 25-30       | 150-250     | 250-300            | No. 18961-75 |
| 17    | 85             | 2.4           | 25-30       | 150-250     | 250-300            | No. 18961-85 |

## GenoPunch

The interchangeable GenoPunch aids in the fast and simple collection of the 2 mm tissue sample for DNA analysis and/or genotyping. FST® Exclusive Item. **Autoclavable.**



**Microtubes  
not included.**

GenoPunch includes:

- 1 GenoPunch
- 1 0.5 ml tube holder
- 1 1.6 ml tube holder
- 1 Screwdriver
- 4 Screws

FST does not supply microtubes.



11.5 cm  
Surgical Stainless Steel (Inox)  
and anodized aluminum  
Punch Ø: 2 mm

**No. 24215-02**

The Ear Puncher relieves stress on the wrist during ID marking as it requires only a very gentle pressure to cut a hole. The Stainless Steel puncher has a sloped edge that provides a cut rather than a punch, which minimizes discomfort. The ear puncher should be lubricated to improve longevity. **Autoclavable.**



14 cm  
Punch Ø: 1 mm

**No. 24916-01**

14 cm  
Punch Ø: 2 mm

**No. 24916-02**

## Ear Punch

Designed to ensure a fast and clean punch, this ear punch is lightweight and fits comfortably in the palm of your hand.

**Autoclavable.**



11.5 cm

Surgical Stainless Steel (Inox) and  
anodized aluminum

Punch Ø: 2 mm

**No. 24214-02**

## Finger Loop Ear Punch

This ear punch provides stability and control for researchers using the numbering system. The 1 mm ear punch offers greater numbering variations and/or patterns.



10.5 cm

Punch Ø: 2 mm

**No. 24212-02**

Punch Ø: 1 mm

**No. 24212-01**









### Marking Pen

The Marking Pen was developed for easy, long lasting identification of laboratory animals. The markers contain no harmful chemicals and instead nontoxic pigment approved by the Japanese Ministry of Health for use in food, drugs and cosmetics. It is intended for use on the fur rather than the skin and will last for 6-12 weeks.









Color can stain skin and clothing. The use of gloves and lab coats is recommended. These colors will not work on black fur.



| Green                                                                             | Blue                                                                              | Yellow                                                                            | Red                                                                                | Orange                                                                              | Black                                                                               |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |  |  |  |  |
| Fine Tip<br>4.5 x 7.5 mm<br>10 ml                                                 | Fine Tip<br>4.5 x 7.5 mm<br>10 ml                                                 | Fine Tip<br>4.5 x 7.5 mm<br>10 ml                                                 | Fine Tip<br>4.5 x 7.5 mm<br>10 ml                                                  | Fine Tip<br>4.5 x 7.5 mm<br>10 ml                                                   | Fine Tip<br>4.5 x 7.5 mm<br>10 ml                                                   |
| No. 24202-01                                                                      | No. 24202-02                                                                      | No. 24202-03                                                                      | No. 24202-04                                                                       | No. 24202-05                                                                        | No. 24202-06                                                                        |



| Green                                                                               | Blue                                                                                | Yellow                                                                              | Red                                                                                  | Orange                                                                                | Black                                                                                 |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  |  |  |  |  |  |
| Standard Tip<br>15 x 10 x 10 mm<br>15 ml                                            | Standard Tip<br>15 x 10 x 10 mm<br>15 ml                                            | Standard Tip<br>15 x 10 x 10 mm<br>15 ml                                            | Standard Tip<br>15 x 10 x 10 mm<br>15 ml                                             | Standard Tip<br>15 x 10 x 10 mm<br>15 ml                                              | Standard Tip<br>15 x 10 x 10 mm<br>15 ml                                              |
| No. 24202-11                                                                        | No. 24202-12                                                                        | No. 24202-13                                                                        | No. 24202-14                                                                         | No. 24202-15                                                                          | No. 24202-16                                                                          |

### Skin Marker

This marker features a versatile tip for precise fine (0.2 mm) line marking, or when held at an angle, a broad (2 mm) line marking. The marker's violet ink is nontoxic, non-tattooing and surgical prep-resistant.

Markings can be removed from the skin with isopropyl alcohol. A six-inch ruler calibrated in both centimeters and inches is included.

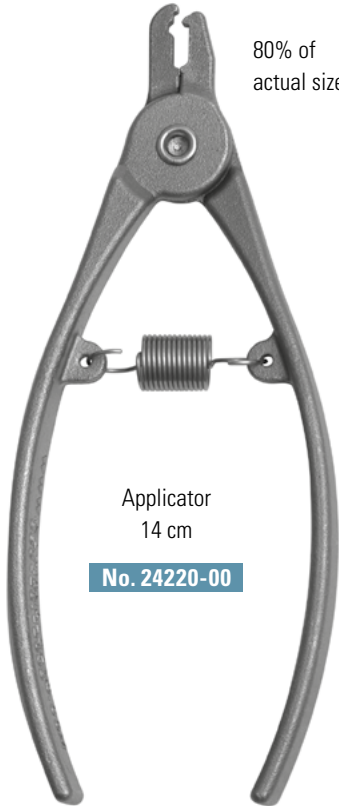


No. 18000-30

50% of actual size

Self Piercing Ear Tags

Ideal for use in small animals such as mice and rats, these ear tags come numbered from 1-100 or 1-500. Silver colored tags with black numbers provide high visibility making them easy to read. Once applied, tags seal and cannot be removed, providing an easy to use, permanent identification method. These ear tags are safe for use in salt water.



Custom alphanumeric sequences and numbers above 1000 are available by special order.

Customized ear tags available in packages of 100 or 500. The following markings are possible: 1 to 6 numbers only or 1 to 6 letters and numbers.

For special order, use item No. 70000-10 and indicate sequence. Please allow 4 to 5 weeks for delivery.



Alloy: Monel  
0.8 cm  
No. 1-100

No. 24221-10



Picture similar

Alloy: Monel  
0.8 cm  
No. 1-500

No. 24221-50

Alloy: Monel  
0.8 cm  
No. 501-1000

No. 24221-90

### Fine Forceps Repair Kit

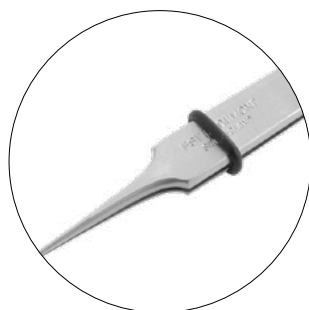
Realign and repair fine forceps with this convenient kit. Bent forceps tips can be re-straightened with the chain nose pliers. The sharpening stone has two grooves, 1.6 mm and 0.8 mm, to assist in reshaping the forceps tips. O-rings clamp the forceps shut to ensure that both shanks are equally aligned and sharpened. Instrument oil assists in producing a smooth sharp edge. Detailed instructions are included.



Kit includes:

- 1 Sharpening stone for fine forceps (No. 29008-22)
- 10 O-rings (11200-00)
- 1 Oil bottle, 50 ml (No. 29055-00)
- 1 Chain nose pliers

**No. 29000-00**



#### O-Rings for Forceps

These rubber O-rings fit our forceps and keep them closed with variable degrees of pressure on the tips.

Pkg. of 10

**No. 11200-00**

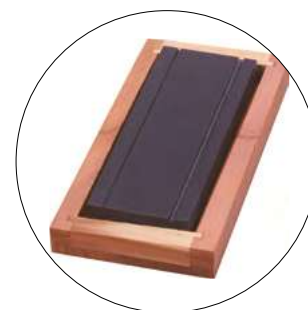


#### Oil bottle or spray

Physiologically inert oil for lubricating surgical instruments, box locks, ratchets and any overlapping joints.

50 ml bottle

**No. 29055-00**



#### Sharpening Stone for Fine Forceps

This natural Arkansas stone assists in reshaping the tips of fine forceps. The stone has two grooves, 0.8 mm and 1.6 mm and comes in a cedar box with ten O-rings.

12.5 x 6.5 x 3 cm

**No. 29008-22**

## Instrument Marking Tape - 290 cm

Organize instruments quickly and easily with this economical, non-toxic, pressure sensitive tape. Color is unaffected by boiling, cold sterilization or autoclaving. 8 colors available. **Autoclavable.**



| Color  | Roll length<br>(cm) | Tape width<br>(cm) | Material | Item         |
|--------|---------------------|--------------------|----------|--------------|
| Green  | 290                 | 0.6                | Vinyl    | No. 29071-01 |
| Blue   | 290                 | 0.6                | Vinyl    | No. 29071-02 |
| Yellow | 290                 | 0.6                | Vinyl    | No. 29071-03 |
| Red    | 290                 | 0.6                | Vinyl    | No. 29071-04 |
| White  | 290                 | 0.6                | Vinyl    | No. 29071-05 |
| Black  | 290                 | 0.6                | Vinyl    | No. 29071-06 |
| Orange | 290                 | 0.6                | Vinyl    | No. 29071-08 |
| Purple | 290                 | 0.6                | Vinyl    | No. 29071-09 |

Instrument Marking Tape  
7 assorted colors

Organize instruments quickly and easily with this economical, non-toxic, pressure sensitive tape. Color is unaffected by boiling, cold sterilization or autoclaving. Includes 7 assorted color rolls: Yellow, Red, Black, White, Green, Blue and Orange. **Autoclavable.**



|  |     |     |       |              |
|--|-----|-----|-------|--------------|
|  | 107 | 0.6 | Vinyl | No. 29080-02 |
|  |     |     |       |              |

## Instrument Marking Tape - 510 cm

Organize instruments quickly and easily with this economical, non-toxic, pressure sensitive tape. Color is unaffected by boiling, cold sterilization or autoclaving. 9 colors available. **Autoclavable.**



| Color  | Roll length<br>(cm) | Tape width<br>(cm) | Material | Item         |
|--------|---------------------|--------------------|----------|--------------|
| Green  | 510                 | 0.6                | Vinyl    | No. 29070-01 |
| Blue   | 510                 | 0.6                | Vinyl    | No. 29070-02 |
| Yellow | 510                 | 0.6                | Vinyl    | No. 29070-03 |
| Red    | 510                 | 0.6                | Vinyl    | No. 29070-04 |
| White  | 510                 | 0.6                | Vinyl    | No. 29070-05 |
| Black  | 510                 | 0.6                | Vinyl    | No. 29070-06 |
| Brown  | 510                 | 0.6                | Vinyl    | No. 29070-07 |
| Orange | 510                 | 0.6                | Vinyl    | No. 29070-08 |
| Purple | 510                 | 0.6                | Vinyl    | No. 29070-09 |

### Self Sealing Sterilization Pouches

Preformed pouches with self adhering tape are blue tinted on one side for visualization of contents and paper-backed on the other side. Pouches will work with either steam autoclave or ethylene oxide sterilization.

Material properties:

- Protects instruments during sterilization.
- Provides sterile storage until use.
- Write on pouches for easier identification during sterilization.



Outer: 9 x 17 cm | Inner: 7 x 11.5 cm  
For instruments up to 11 cm long

Pkg. of 100 pouches

**No. 28000-06**

Outer: 13.5 x 28 cm | Inner: 11.5 x 22.5 cm  
For instruments up to 20 cm long

Pkg. of 100 pouches

**No. 28000-11**

Outer: 19 x 36 cm | Inner: 17 x 30 cm  
For instruments up to 28 cm long

Pkg. of 100 pouches

**No. 28000-14**

### Hot Bead Sterilizer

The sterilizer provides a safe, effective and convenient method for sterilizing your surgical instruments prior to and during surgery or tissue culture. Without using potentially dangerous gases flames or chemicals, you can ensure that your instruments will be free of pathogens and microbial contaminants.

The beads take 15–20 minutes to reach 240 °C to 270 °C (464 °F to 518 °F), then the sterilizer is ready for use. The temperature is thermostatically maintained and the unit can be left on all day. Instruments require approximately 20 seconds of contact with the beads for complete sterilization. The sterilizer is safe to use even in laminar flow hoods.

Sterilization test results conducted by the Pasteur Institute in Lille, France, are available upon request. Available in 110 V and 220 V. CE Certified and UL Approved.

#### Sterilizer includes:

- Sterilizer unit
- 1 Bag of glass beads
- 1 Dust cover for well
- 1 Small heat-tempered glass dish for small objects

250 shown.  
Instruments not included.

60% of actual size



#### 250 Sterilizer

Well Ø: 4 cm  
Well depth: 8 cm  
Well volume: 100 ml  
Total unit size: 14.5 x 12.5 x 13.5

**No. 18000-45**

#### 350 Sterilizer

Well Ø: 4 cm  
Well depth: 14 cm  
Well volume: 175 ml  
Total unit size: 20.5 x 12.5 x 13.5

**No. 18000-50**

#### Replacement glass beads for 18000-45

Weight: 150 g

**No. 18000-46**

#### Replacement glass beads for 18000-50

Weight: 300 g

**No. 18000-51**

**Micro Bead Sterilizer**

Micro Bead Sterilizer is ideal for the sterilization of small and large research tools (forceps, scissors, etc.). When the chamber is filled with the included glass beads, high temperatures (up to 300 °C / 572 °F) can be used to eliminate the presence of bacteria, spores and other micro-organisms.

**Small Sterilizer 115 V**

Well Ø: 4 cm  
Well depth: 8 cm  
Well volume: 100 ml  
Total unit size: 14.5 x 15.5 x 15.5 cm

**No. 18090-45****Small Sterilizer 220 V**

Well Ø: 4 cm  
Well depth: 8 cm  
Well volume: 100 ml  
Total unit size: 14.5 x 15.5 x 15.5 cm

**No. 18090-46****Replacement glass beads for small sterilizer**

Weight: 125 g

**No. 18000-47****Tall Sterilizer 220 V**

Well Ø: 4 cm  
Well depth: 14 cm  
Well volume: 175 ml  
Total unit size: 14.5 x 15.5 x 21.5 cm

**No. 18090-51****Tall Sterilizer 115 V**

Well Ø: 4 cm  
Well depth: 14 cm  
Well volume: 175 ml  
Total unit size: 14.5 x 15.5 x 21.5 cm

**No. 18090-50****Replacement glass beads for tall sterilizer**

Weight: 256 g

**No. 18000-52**

Small sterilizer shown.  
Instruments not included.

60% of actual size

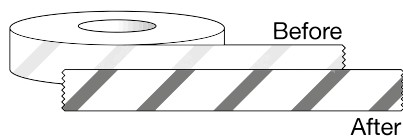


**Autoclave Tape**

Tape will permanently indicate diagonal stripes after exposure to steam autoclave temperature between 121 °C and 130 °C during a 40 - 60 minute time period. Use with sterilization pouches, sterilization wraps and sterilization cases.

**The tape can be used in:**

- Gravity sterilizers operating at 121 °C (+3 °C) for 30 minutes or
- Pre-vacuum sterilizers operating at 132 °C (+3 °C) for 4 minutes and 135 °C (+3 °C) for 3 minutes
- Shelf life/durability is 36 months



1,90 cm x 55 m

**No. 28001-02**

**Disposable Sterilization Wraps**

These biodegradable cellulose fiber wraps are resistant to tears and conform easily to maintain a breathable yet impervious barrier to airborne bacteria, saline, blood and water. Wrapping your instrument case securely will ensure the sterility of your instruments until ready for use. Available in two sizes.



38 x 38 cm  
Pkg. of 25 wraps

**No. 28015-15**



51 x 51 cm  
Pkg. of 25 wraps

**No. 28020-20**

Cases not included.



**Silicone Mat**

High quality, extra soft mat for safe and secure placement of delicate instruments. This mat can easily be cut along the premarked grooves to fit in various sized instrument cases. **Autoclavable.**



30 x 20 cm

No. 20325-00

**Magnetic Sterilization Mat**

Used during sterilization and for safe anti-slip placement around surgical settings. **Autoclavable.**



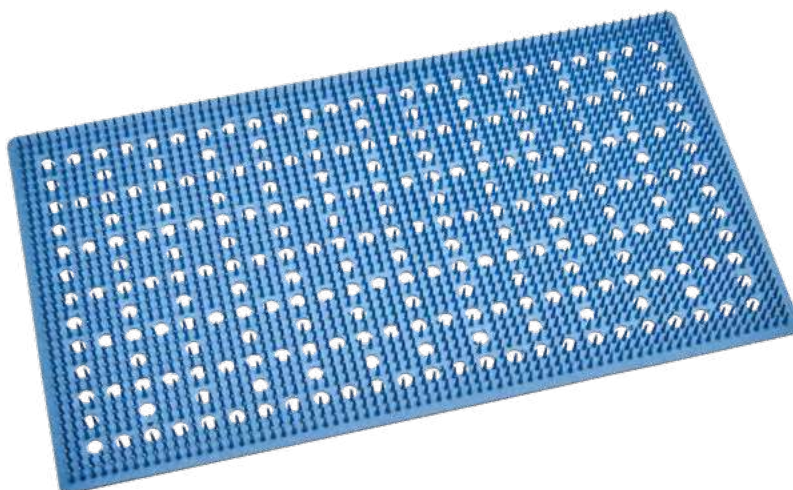
Instruments not included.

30 x 20 cm

No. 20350-00

**Silicone Mat**

Large, economical silicone mat. **Autoclavable.**



46 x 25 cm

No. 20325-10

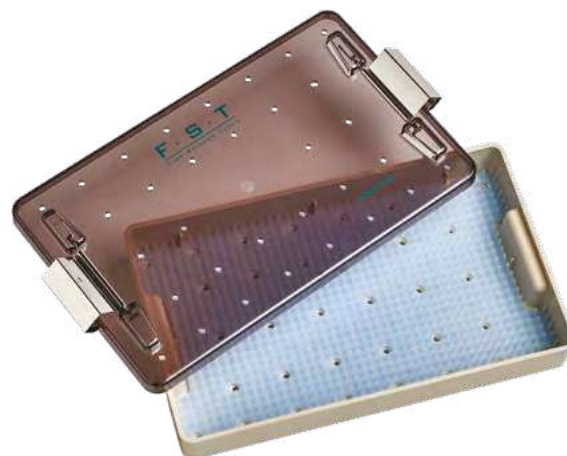
### Plastic Sterilization Container

This plastic sterilization container includes a silicone mat for safe placement of instruments. Perforated top is clear for visual identification of instruments. **Suitable for autoclave or ethylene oxide sterilization.**



19 x 10 x 2 cm

No. 20810-01



27 x 16 x 4 cm

No. 20810-02

### Stainless Steel Sterilization Container

This container will assist in the sterilization and storage of your fine surgical instruments. It comes with a custom fit silicone mat to keep instruments in place while the sterilizing process and storage. The textile filters are necessary for keeping instruments sterile while they remain in the container.

**Suitable for autoclave or ethylene oxide sterilization.**



30 x 14 x 4 cm

No. 20850-00

5 Long-term textile filters

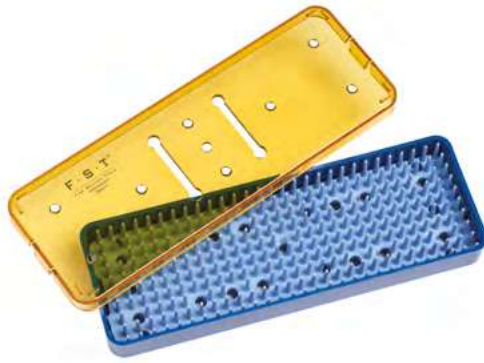
No. 20850-10

1 Long-term textile filter

No. 20850-11

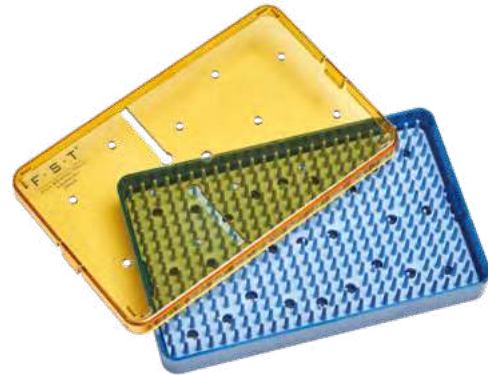
### Plastic Sterilization Container

This sterilization container is made from Ultem® polymer to ensure strength and long lasting durability. The transparent perforated lid provides easy identification of your surgical instruments. Silicone mat is included for a safe and secure hold. Trays are also stackable for convenience. **Suitable for autoclave or ethylene oxide sterilization.**



19 x 7 x 2 cm  
Single tier

No. 20840-01



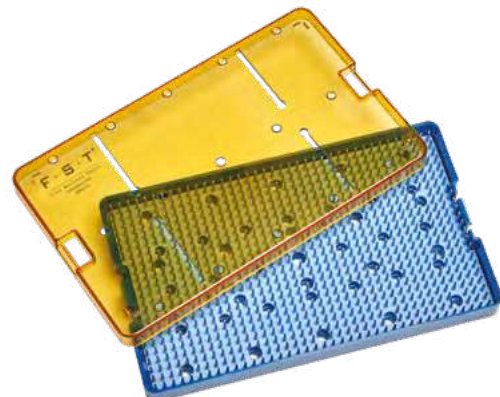
17 x 10 x 2 cm  
Single tier

No. 20840-02



25 x 15 x 4 cm  
Double tier

No. 20842-03



25 x 15 x 2 cm  
Single tier

No. 20840-03

### Colored Aluminum Instrument Cases

This instrument case comes with a spiked silicone mat for secure storage of surgical instruments. Five colors available but may vary due to lot to lot variations.

**The case and silicone insert are autoclavable but should not be used for sterilization of surgical instruments.**



Blue

No. 20330-00



Green

No. 20330-01



Red

No. 20330-02



Yellow

No. 20330-03



Silver

No. 20330-04



## Moria Instrument Case

Comes with a silicone mat for safe placement of instruments. **Case and silicone insert are autoclavable but should not be used for sterilizing surgical instruments.**

Moria



Silver  
18 x 9 x 3 cm

No. 20311-21

## Colored Plastic Instrument Cases

This plastic case is compact, safe, secure, and slotted for placement of individual surgical instruments, aiding in the prevention of tip damage. Seven colors available. **Case is autoclavable but should not be used for sterilizing surgical instruments.**



Instruments  
not included.

Blue



17 x 8 x 2 cm

No. 20830-00

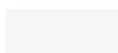
Green



17 x 8 x 2 cm

No. 20830-01

Clear



17 x 8 x 2 cm

No. 20830-02

Yellow



17 x 8 x 2 cm

No. 20830-03

Pink



17 x 8 x 2 cm

No. 20830-04

Orange



17 x 8 x 2 cm

No. 20830-05

Purple



17 x 8 x 2 cm

No. 20830-06

## INSTRUMENT STORAGE

### Roll Up Travel Case

Vinyl dissection roll up case with Velcro strap to hold the case closed. Holds up to ten tools, one ruler holder, and one Velcro sealed pouch. Instruments not included.

36 x 23 cm (unfolded)

Black

Vinyl

No. 20831-10



### Instrument Tip Protectors

These tip protectors are a convenient, color-coded way to protect surgical instrument tips and edges. They provide exceptional protection and are vented to prevent rusting from condensation. Instrument tip protectors are recommended during handling, storage, and sterilization. **Autoclavable.**



1.6 x 19.1 mm  
Pkg. of 25  
Material: Plastisol

No. 29060-01



2 x 19 mm  
Pkg. of 25  
Material: Plastisol

No. 29060-02



2.8 x 19.1 mm  
Pkg. of 25  
Material: Plastisol

No. 29060-03



3.2 x 25.4 mm  
Pkg. of 25  
Material: Plastisol

No. 29060-04



4.8 x 25.4 mm  
Pkg. of 25  
Material: Plastisol

No. 29060-05



9.5 x 25.4 mm  
Pkg. of 25  
Material: Plastisol

No. 29060-06



Assorted pack, five of each size  
Pkg. of 30  
Material: Plastisol

No. 29060-00

### Double Tip Protectors

These vented tip protectors are designed to hold hemostats and rongeurs firmly while allowing the jaws, box hinge and tips to stay open for through sterilization. **Autoclavable.**



12.7 x 2 mm  
Pkg. of 10  
Material: Plastisol

No. 29066-01



9 x 25.5 mm  
Pkg. of 10  
Material: Plastisol

No. 29066-02



15 x 25 mm  
Pkg. of 10  
Material: Plastisol

No. 29066-03



25 x 26 mm  
Pkg. of 10  
Material: Plastisol

No. 29066-04



Assorted pack,  
three of each size  
Pkg. of 12  
Material: Plastisol

No. 29066-00

### Burrs Stainless Steel

Length: 44 mm  
Shaft Ø: 2.3 mm  
Pkg. of 10 burrs

| Tip Ø<br>(mm) | Item         |
|---------------|--------------|
| 0.7 *         | No. 19008-07 |
| 0.9 **        | No. 19008-09 |
| 1.4           | No. 19008-14 |

\* Use this size for screws No. 19010-10 (page 68).  
\*\* Use this size for screws No. 19010-00 (page 68).



### Burrs Carbon Steel

Length: 44 mm  
Shaft Ø: 2.3 mm  
Pkg. of 10 burrs



**MOST  
POPULAR**



**NOT  
AUTOCLAVABLE**

| Tip Ø<br>(mm) | Item         |
|---------------|--------------|
| 0.5           | No. 19007-05 |
| 0.7 *         | No. 19007-07 |
| 0.9 **        | No. 19007-09 |
| 1.4           | No. 19007-14 |
| 2.1           | No. 19007-21 |
| 2.9           | No. 19007-29 |

\* Use this size for screws No. 19010-10 (page 68).  
\*\* Use this size for screws No. 19010-00 (page 68).



### Burrs Tungsten Carbide

Length: 44 mm  
Shaft Ø: 2.3 mm  
Pkg. of 5 burrs



| Tip Ø<br>(mm) | Item         |
|---------------|--------------|
| 0.5           | No. 19009-05 |
| 0.7 *         | No. 19009-07 |
| 0.9 **        | No. 19009-09 |

\* Use this size for screws No. 19010-10 (page 68).  
\*\* Use this size for screws No. 19010-00 (page 68).



### Trephines Stainless Steel

Side opening for clearing of material.

Length: 44 mm  
Shaft Ø: 2.3 mm  
Sold individually

| Tip Outer Ø<br>(mm) | Item         |
|---------------------|--------------|
| 1.8                 | No. 18004-18 |
| 2.3                 | No. 18004-23 |
| 2.7                 | No. 18004-27 |
| 5                   | No. 18004-50 |

1.8 - 2.7 mm    5 mm



### Circular Saw

For cutting bone and other hard substances. Attaches to mandrel  
(No. 18000-18), on the right side.



Ø: 16 mm  
Thickness: 0.1 mm  
Pkg. of 10 saws

**No. 18000-20**

### Mandrel

Screw allows attachment of discs and circular saws for  
use with high speed drills.



Length: 45 mm  
Shaft Ø: 2.3 mm

**No. 18000-18**

High Temperature Cautery Kit

This high temperature cauterizer is a great alternative to disposable cautery units. Temperature at tips is approximately 1000 °C (1832 °F). Replacement cautery tips are available.



Plastic body  
Surgical Stainless Steel tips: 0.2 mm Ø  
Operation temperature: 1000 °C (1832 °F)  
Total weight: 70 g  
Length: 16 cm (without tip)

Cautery Kit

No. 18010-00

Cautery kit includes:

- 1 Cautery handle
- 2 AA batteries
- 2 Standard tips
- 2 Fine tips
- 1 Storage case



Replacement tips  
**Single use**  
Straight / Standard  
Sterile: Yes

Box of 10 tips

No. 18010-01



Replacement tips  
**Single use**  
Straight / Fine  
Sterile: Yes

Box of 10 tips

No. 18010-02

Low Temperature Cautery Kit

This low temperature cautery kit is a great alternative to disposable cautery units. Temperature at the tips is approximately 649 °C (1200 °F). Replacement cautery tips are available.



Plastic body  
Surgical Stainless Steel tips: 0.2 mm Ø  
Operation temperature: 649 °C (1200 °F)  
Total weight: 60 g  
Length: 12 cm (without tip)

Cautery Kit

No. 18019-00

Cautery kit includes:

- 1 Cautery handle
- 1 AA battery
- 2 Fine tips
- 2 Elongated fine tips
- 1 Storage case



Replacement tips  
**Single use**  
Straight / Fine  
Sterile: Yes

Box of 10 tips

No. 18019-01



Replacement tips  
**Single use**  
Elongated Straight / Fine  
Sterile: Yes

Box of 10 tips

No. 18019-02



### Small Vessel Cauterizer Kit

This small hand-held unit keeps bleeding to a minimum and therefore provides a surgical field clear of clamps and hemostats. The cauterizer should be activated momentarily so the delicate tips do not burn out. Temperature at tips is approximately 1000 °C (1832 °F). Replacement cautery tips are available. **Autoclavable.**



Heavy gauge Stainless Steel body  
Platinum-iridium tips: 0.3 mm Ø  
Total weight: 100 g  
Length: 13.5 cm (without tip)

#### Cautery Kit

**No. 18000-00**

Cautery kit includes:

- 1 Cautery handle
- 2 AA Batteries
- 1 Straight fine tip
- 1 Angled fine tip
- 1 Storage case



Remove batteries before autoclaving.



Replacement tips  
**Reusable**  
Straight / Fine

**No. 18000-01**



Replacement tips  
**Reusable**  
Angled / Fine

**No. 18000-02**



Replacement tips  
**Reusable**  
Straight / Fine

**No. 18000-03**

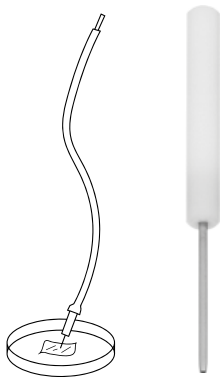


Replacement tips  
**Reusable**  
Straight knob

**No. 18000-04**

Neuro Punches

N.I.H. style neuro punches for punch removal of frozen brain microregions.



| ID<br>(mm) | OD<br>(mm) | Gauge | Length<br>(cm) | Item         |
|------------|------------|-------|----------------|--------------|
| 0.31       | 0.61       | 24    | 4.2            | No. 18036-24 |
| 0.41       | 0.7        | 22    | 4.5            | No. 18036-22 |
| 0.69       | 1          | 19    | 4.5            | No. 18036-19 |

Absorbent Swabs Mounted

These synthetic surgical sponges absorb fluids twice as fast as the best cotton sponges and have three times their fluid-holding capacity. They are made from strong, soft, lint-free biocompatible-proven material that is nonirritating to delicate tissue and leaves no fibrous residue that might cause wound contamination. The Absorption Spears are sterilized by radiation.



Absorption Spears  
7 cm  
Sterile: Yes  
Pkg. of 200 spears  
**No. 18105-01**

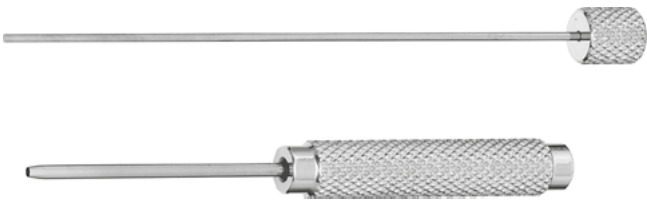


Absorbent Swabs  
20 mm  
Sterile: Yes  
Pkg. of 200 triangles  
**No. 18105-04**

Sample Corers

For quantitative analysis. Comes with plunger.

8.5 cm



| ID<br>(mm) | OD<br>(mm) | Gauge | Item         |
|------------|------------|-------|--------------|
| 0.35       | 0.8        | 21    | No. 18035-35 |
| 0.5        | 1          | 19    | No. 18035-50 |
| 0.8        | 1.45       | 17    | No. 18035-80 |
| 1          | 1.8        | 15    | No. 18035-01 |
| 2          | 3          | 11    | No. 18035-02 |
| 3          | 4          | 8     | No. 18035-03 |
| 5          | 6          | 4     | No. 18035-05 |

Micro Cleaning Brush

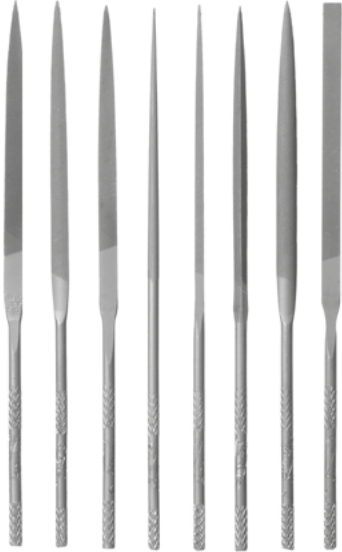


7 cm  
Nylon  
Bag of 25

**No. 18196-10**

### Miniature File Set

Comes with eight different file profiles in a vinyl pouch.



10 cm  
Carbon Steel

**No. 30076-14**

### Sharpening Stones

Natural Arkansas oil stones feature unequalled fineness, hardness and structural density. When used with mineral oil, they will produce a sharper cutting edge.



6 mm x 9 cm  
Square stone

**No. 29008-01**

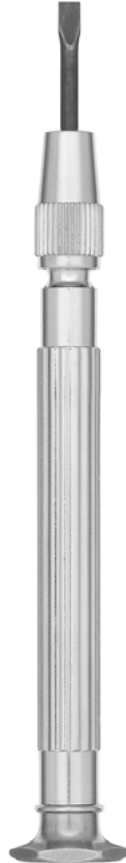


6 mm x 9 cm  
Triangular stone

**No. 29008-12**

### 4-in-1 Screwdriver

With four hardened, interchangeable blades stored in handle: 1.5, 2, 2.5, and 3 mm.



Handle 9.5 cm, with  
attachment 11.5 cm  
Nickel handle

**No. 30051-10**

### Ceramic Blade Cutter

Ceramic edge stays sharp 100 times longer than a steel edge. Rust and corrosion free. No trace metal contamination. **Autoclavable.**



**Plastic handle with  
ceramic blade**

Straight

13 cm

Cutting Edge: 58 mm

**No. 10025-70**

**Replacement  
blade**

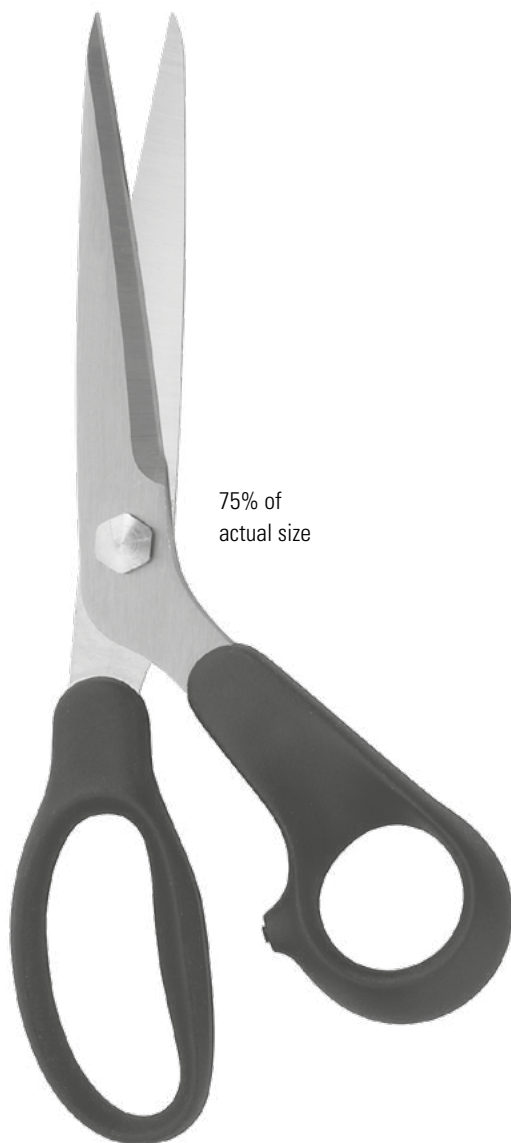
Straight

Cutting Edge: 58 mm

**No. 10025-71**

## Utility Scissors

These scissors are extremely hard (54 on the Rockwell scale). Useful for cutting tin or aluminum sheets, bone, plastics, etc. The strong, 3 mm thick blades are magnetic. The plastic handles are anatomically shaped.



75% of  
actual size

21 cm  
Stainless Steel (Inox)  
with plastic handle

No. 37500-00

## Universal Scissors

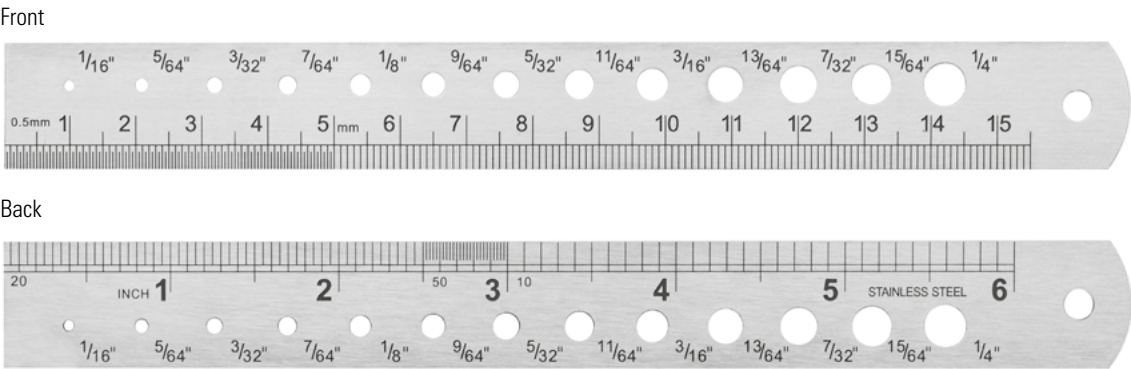
The scissor blades are made of high quality Stainless Steel and guarantee a perfect cut. Handles are made of glass fiber reinforced polyamide.



13 cm  
Stainless Steel (Inox)  
with plastic handle

No. 37500-05

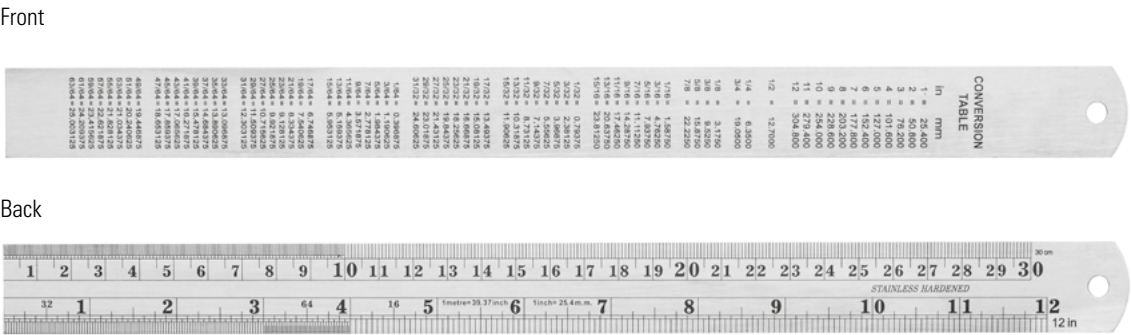
Ruler with Gauge Measurements



Surgical Stainless Steel (Inox)  
15.5 cm / 6 inch

No. 30085-15

Ruler with Metric Conversion Table



Surgical Stainless Steel (Inox)  
30 cm / 12 inch

50% of actual size

No. 30085-30

Ruler Label

Used for stable measurements in all surgical platforms.

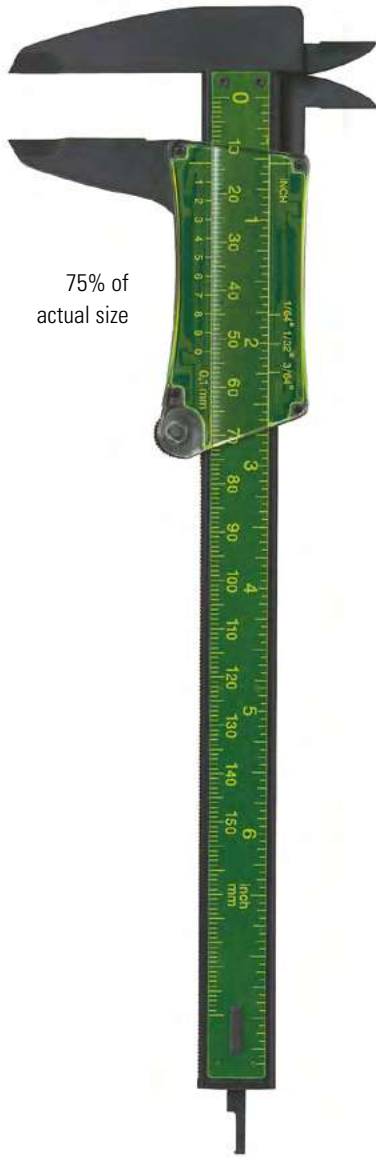


6 cm  
Pkg. of 25 labels

No. 29027-00

## Plastic Vernier Caliper

Tough polymer is unbreakable under normal conditions. Measures inside, outside, step and depth, metric and inch to 0.1 mm or 1/64".  
Maximum measurement: 153 mm.



75% of  
actual size

Plastic  
21 cm

No. 30087-20

## Digital Electronic Caliper

Wide screen LED display with the ability to measure in millimeters, inches and fractions. Measures inside, outside, step and depth. Battery, spare battery and plastic storage case included.



70% of  
actual size

Surgical Stainless Steel (Inox)  
23.5 cm

No. 30087-00

## Castroviejo Surgical Caliper

Used for precise measurement during surgery.



0-20 mm with 0.5 mm divisions  
Tip Ø: 0.5 mm

8.5 cm

No. 18000-35

### Electronic Clock/Triple Timer

Three activities can be timed up or down simultaneously or individually. Time can be displayed either in 12 or 24 hours and features a memory function. Maximum countdown time is 19 hours, 59 minutes, 59 seconds. Minimum time interval is 1 second. The timer housing includes a powerful magnet for mounting.

LCD display: 4.5 x 4.5 cm  
7 x 8.5 x 1.5 cm  
AA battery (not included)

**No. 27000-01**



### Gold Wire Contacts

Matching pin and socket. Contacts are crimp terminated, but also can be used for solder connections.

Total length: 16 mm  
Ø: 1.2 mm  
Opening for wire: 0.63 mm

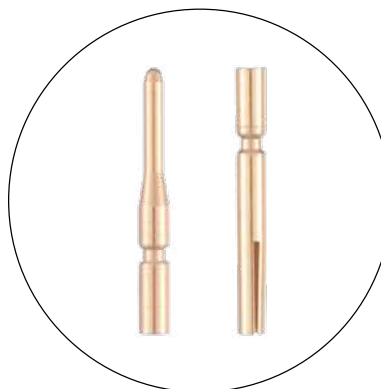
Pkg. of 50 Male contacts

**No. 19003-00**

Pkg. of 50 Female contacts

**No. 19003-01**

Enlarged 225%



### Loupe with Micrometer and LED

High quality loupe features a removable micrometer and ultra-bright LED lights surrounding the circumference for a defined image and clear contrast.



Magnification: 10x  
Field of view: 30 mm  
Working distance: 10 mm (without scale)  
Ultrabright LED  
38 x 38 x 40 mm

**No. 29026-10**

### Stage Micrometer



76 x 26 mm  
1 mm with 100 divisions (0.01 mm)

**No. 29025-02**

### Headband Magnifiers

Precision ground and polished optical glass lenses. The padded headband is lightweight and fully adjustable. Can be worn with spectacles.



Magnification: 2.5x  
Working distance: 20 cm (8 inch)

**No. 28030-02**

Magnification: 2.75x  
Working distance: 15 cm (6 inch)

**No. 28030-03**

Magnification: 3.5x  
Working distance: 10 cm (4 inch)

**No. 28030-04**



### Interchangeable Magnifier Spectacles with LED

Economical and fully interchangeable headband magnifier with LED light.

Includes:

- Multiple Lens Magnifications (1.0x, 1.5x, 2.0x, 2.5x, 3.5x)
- LED Light Source
- Tilting Functionality
- Cushioned Nose Pads
- Adjustable Headband
- Interchangeable Lens Frames
- Requires 3 AAA Batteries (Batteries not included)



Can be used with or without the adjustable head strap (included).



Magnification: 1x, 1.5x, 2x, 2.5x and 3.5x

Field of view: Variable

Working distance: Variable

No. 28080-10

### Galilean Flip-up

These loupes are lightweight and easy to use. Made from the finest optical coated lenses which deliver excellent clarity and high resolution. The loupes are mounted onto a strong yet flexible wraparound safety frame with a headband for stability and comfort. Ability to flip loupes up for use as safety glasses. Comes with mini screwdriver for fine adjustments, micro cloth and storage case.



Magnification: 3x  
Working distance: 40 cm (16 inch)  
Weight: 262 g

**No. 28050-30**

Magnification: 3.5x  
Working distance: 30 cm (12 inch)  
Weight: 77 g

**No. 28050-35**

### Eschenbach ridoMED

These magnifier spectacles allow full adjustments on almost all parts. Headband keeps spectacles steady and in place. Leather case and Headband included.



Magnification: 2.5x  
Working distance: 35 cm (14 inch)  
Weight: 97 g  
Plastic frame reinforced with fiberglass

**No. 28040-30**

**Eschenbach maxDETAIL**

These spectacles are portable, lightweight, and easily adjustable. Designed with frosted objective lens housing which eliminates distracting reflections. Bendable ear pieces for a secure, comfortable fit. Protective case is included.



Magnification: 2x  
Field of view: 110 mm (4 inch)  
Working distance: 40 cm (16 inch)  
Weight: 114 g

**No. 28030-20**

maxDETAIL Spectacles shown with Eschenbach Clip-On LED Light (sold separately).

**Eschenbach Clip-On LED Light**

A compact and lightweight light source with two high-performance SMD LEDs and a lens that concentrates the light producing a more powerful, bright and homogenous field of view. Light can be set high or low. Compatible with the maxDETAIL Spectacles and Head-band Magnifiers. Comes with 3 AA batteries, belt clip and storage case.



Weight: 335 g

**No. 28030-25**

**Eschenbach varioLEDflex**

The varioLEDflex ensures ease and precision by its smooth flexible neck and tiltable magnifying lens. This magnifier's innovative features provide a spacious working platform suitable for any application. Mounting clamp provides uncompromised workspace due to its sturdy, slim design. The magnification lens is illuminated with shadow-free full or half ring optimum bright LEDs.

Magnification: 2.5x  
 Diopter: 6D  
 Lens size: 76 mm  
 Lens shape: Aspheric  
 Working distance: Variable  
 Lens material: PXM® lightweight lens with patented Ceratec® scratch resistant coating  
 Illumination: SMD LED  
 Power source: 120 V & 230 V

**No. 28015-25**

**Eschenbach Scribolux**

This magnifier provides an illuminated platform suitable for any working condition. The open design allows for a spacious working platform. Supplied in a microfiber pouch for protecting and cleaning the lens.

Magnification: 2.8x  
 Diopter: 7/11D  
 Lens size: 100 x 75 mm  
 Lens shape: Aspheric  
 Working distance: 7.5 cm (3 inch)  
 Lens material: PXM® lightweight lens with patented Ceratec® scratch resistant coating  
 Illumination: SMD LED  
 Power source: 6 V (4 AA-Batteries included)

**No. 28020-28**



### Lens Cleaning Kit

This convenient kit contains everything you need to clean lens surfaces safely. Perfect for microscopes, camera lenses, binoculars, telescopes, graphic art optics and all other fragile lenses. Storage case included.

Kit includes:

- 1 Bottle of lens cleaner (30 ml)
- 1 Ultra soft duster brush
- 1 Cleaning cloth (20 x 20 cm)
- 3 Books of lens paper (25 sheets each)



No. 29000-10

### Lens Paper

This premium grade optical lens tissue is extremely soft and safe for any glass or plastic optical lens surface.



15 x 10 cm  
Book of 50 sheets

No. 29015-50



|                                                                            |           |
|----------------------------------------------------------------------------|-----------|
| Scissors                                                                   | 200 – 205 |
| Scalpel Handles                                                            | 206       |
| Forceps                                                                    | 207 – 212 |
| Hemostats,<br>Pin & Needle Holders, Retractors<br>Vessel Dilators & Clamps | 213 – 217 |



# FST® STUDENT LINE



## FEATURES:

- Economy
- Quantity discounts
- Quality
- Less hand finishing
- Less expensive alloys

One of the hallmarks of FST has always been to accurately assess the needs of our customers. We gather information not only from the lab, but from conferences, journals and researchers. Whether it is designing new tools or finding new applications for existing instruments, we believe our best information comes directly from you.

Our customers wanted reduced costs and quantity discounts without sacrificing the precision and quality inherent in German instruments. To meet their needs, we have developed a full line of “student” instruments. They were created for use in the classroom where students are learning proper instrument care.

Unlike our competitors, the quality of these instruments does not drop dramatically with the price. Our student line uses quality Surgical Stainless Steel and maintains the precision you expect from FST. In addition they carry our unconditional satisfaction guarantee while being offered at a significantly reduced price.

Not intended as a substitute for our highest quality instruments, the student line may require extra care as the alloys used are more susceptible to corrosion. Visit our website at **finescience.com** for more information.

### Vannas

Ideal for introductory courses in microdissection. The manufacturer, material and general pattern are the same as our No. 15003-08 but with much of the costly hand finishing omitted.



**Straight  
Sharp/Sharp**

9 cm  
Cutting edge: 5 mm  
Tip Ø: 0.35 mm

No. 91500-09



**Curved  
Sharp/Sharp**

9 cm  
Cutting edge: 5 mm  
Tip Ø: 0.35 mm

No. 91501-09

### Iris



**Straight  
Sharp/Sharp**

11.5 cm  
Cutting edge: 16 mm

No. 91460-11



**Curved  
Sharp/Sharp**

11.5 cm  
Cutting edge: 16 mm

No. 91461-11

### Sanvenero



**Straight  
Sharp/Sharp**

14.5 cm  
Cutting edge: 22 mm

No. 91408-14



Standard Surgical



| Length<br>(cm) | Cutting edge<br>(mm) | Straight<br>Sharp / Sharp | Straight<br>Sharp / Blunt | Straight<br>Blunt / Blunt |
|----------------|----------------------|---------------------------|---------------------------|---------------------------|
| 10.5           | 20                   | No. 91402-10              | No. 91401-10              | No. 91400-10              |
| 12             | 26                   | No. 91402-12              | No. 91401-12              | No. 91400-12              |
| 13             | 28                   | No. 91402-13              | No. 91401-13              |                           |
| 14.5           | 30                   | No. 91402-14              | No. 91401-14              | No. 91400-14              |



| Length<br>(cm) | Cutting edge<br>(mm) | Curved<br>Sharp / Sharp | Curved<br>Sharp / Blunt |
|----------------|----------------------|-------------------------|-------------------------|
| 12             | 26                   | No. 91405-11            | No. 91404-12            |
| 13             | 28                   | No. 91405-13            | No. 91404-13            |
| 14.5           | 30                   | No. 91405-14            | No. 91404-14            |



Wagner



**Straight  
Sharp/Sharp**

12 cm  
Cutting edge: 20 mm

**No. 91468-12**

Spencer Ligature



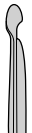
**Straight  
Blunt/Blunt**

9 cm  
Cutting edge: 16 mm

**No. 91476-09**

**Lister**

Longer blunt blade prevents damaging tissue underneath skin without losing the cutting line.



**Angled to side  
Blunt/Blunt**

14 cm  
Cutting edge: 26 mm

No. 91413-14



**Angled to side  
Blunt/Blunt**

18 cm  
Cutting edge: 30 mm

No. 91413-18



**Angled to side  
Blunt/Blunt**

20 cm  
Cutting edge: 34 mm

No. 91413-20

**Mayo**



80% of  
actual size



**Curved  
Sharp/Blunt**

14.5 cm  
Cutting edge: 28 mm

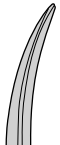
No. 91409-15



**Straight  
Blunt/Blunt**

17 cm  
Cutting edge: 32 mm

No. 91410-17



**Curved  
Blunt/Blunt**

17 cm  
Cutting edge: 32 mm

No. 91411-17

Metzenbaum Baby



**Curved  
Blunt/Blunt**

14.5 cm  
Cutting edge: 22 mm

**No. 91419-14**

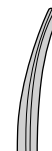
Metzenbaum



**Straight  
Blunt/Blunt**

14.5 cm  
Cutting edge: 22 mm

**No. 91416-14**



**Curved  
Blunt/Blunt**

18 cm  
Cutting edge: 24 mm

**No. 91417-18**

**Strong Scissors**

**Curved  
Sharp/Sharp**

Student Quality  
10.5 cm  
Cutting edge: 20 mm

**No. 91405-10**

**Bone Scissors**

For cutting fine bone.



**Curved  
Sharp/Sharp**

9 cm  
Cutting edge: 14 mm

**No. 91604-09**

Scalpel Handle #4



For scalpel blades,  
see page 77.

13 cm

No. 91004-13

Scalpel Handle #3

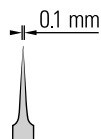


For scalpel blades,  
see page 78.

12 cm

No. 91003-12

**Dumont #5**

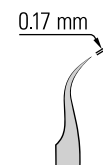


**Standard  
Straight**

11 cm  
0.1 x 0.06 mm  
Surgical Stainless  
Steel (Inox)

**No. 91150-20**

**Dumont #7**

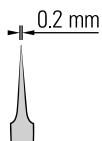


**Standard  
Curved**

11 cm  
0.17 x 0.1 mm  
Surgical Stainless  
Steel (Inox)

**No. 91197-00**

#5

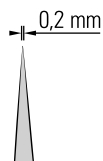


**Straight**

11 cm  
0.2 x 0.1 mm

No. 91115-10

#3



**Straight / Broad shanks**

12 cm  
0.2 x 0.2 mm

No. 91113-10

#7

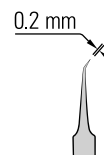


**Curved**

12 cm  
0.2 x 0.2 mm

No. 91117-10

#5/45



**Angled**

11 cm  
0.2 x 0.2 mm

No. 91110-10



Feilchenfeld



**Serrated/Sharp  
Straight**

9 cm  
Tip Ø: 0.75 mm

No. 91139-09



**Serrated/Sharp  
Straight**

11.5 cm  
Tip Ø: 1 mm

No. 91139-12

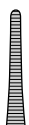
Splinter Forceps



**Serrated  
Straight**

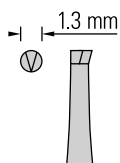
10.5 cm  
Tip Ø: 0.3 mm

No. 91156-11

**Micro Adson**80% of  
actual size**Serrated**

12 cm

Tip width: 0.7 mm

**No. 91118-12****1x2 Teeth**

12 cm

Tip width: 1.3 mm

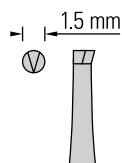
**No. 91119-12****Adson**

Wide, strong grip with narrow tips.

80% of  
actual size**Serrated**

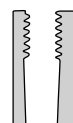
12 cm

Tip width: 1.5 mm

**No. 91106-12****1x2 Teeth**

12 cm

Tip width: 1.5 mm

**No. 91127-12****Adson-Brown****Shark teeth**

12 cm

Tip width: 2.5 mm

**No. 91162-12****Adson with Cross  
Serrations****1x2 Teeth/  
Cross-serrations**

12 cm

Tip width: 1.3 mm

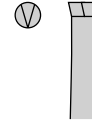
**No. 91427-12**

**Anatomical and Surgical**

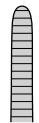
Broad pattern with strong spring action.

**Anatomical Standard Pattern**Straight  
Serrated

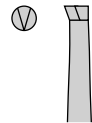
| Tip width<br>(mm) | Length<br>(cm) | Item         |
|-------------------|----------------|--------------|
| 2.5               | 11.5           | No. 91100-12 |
| 2.7               | 13             | No. 91100-13 |
| 3                 | 14.5           | No. 91100-14 |
| 3.5               | 16             | No. 91100-16 |
| 4                 | 17             | No. 91100-17 |

**Surgical Standard Pattern**Straight  
1x2 Teeth

| Tip width<br>(mm) | Length<br>(cm) | Item         |
|-------------------|----------------|--------------|
| 2.2               | 12             | No. 91121-12 |
| 2.4               | 13             | No. 91121-13 |
| 2.6               | 14.5           | No. 91121-14 |
| 2.8               | 15.5           | No. 91121-15 |
| 3                 | 16             | No. 91121-16 |
| 3.5               | 18             | No. 91121-18 |
| 4                 | 20             | No. 91121-20 |
| 4.5               | 25             | No. 91121-25 |

**Anatomical Narrow Pattern**Straight  
Serrated

| Tip width<br>(mm) | Length<br>(cm) | Item         |
|-------------------|----------------|--------------|
| 1.5               | 11.5           | No. 91102-12 |
| 2.1               | 13             | No. 91102-13 |
| 2.2               | 14.5           | No. 91102-14 |
| 2.3               | 16             | No. 91102-16 |

**Surgical Narrow Pattern**Straight  
1x2 Teeth

| Tip width<br>(mm) | Length<br>(cm) | Item         |
|-------------------|----------------|--------------|
| 2                 | 11.5           | No. 91123-12 |
| 2.2               | 14.5           | No. 91123-14 |
| 2.4               | 16             | No. 91123-16 |



Semken



**Serrated  
Straight**

11.5 cm  
Tip width: 1.2 mm

No. 91108-12

**Straight**

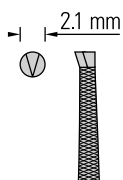
14.5 cm  
Tip width: 2.2 mm

No. 91108-14

Gillies



80% of  
actual size



**1x2 Teeth and  
Cross-Serrations**

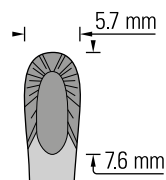
15.5 cm  
Tip width: 2.1 mm

No. 91128-15

Russian



80% of  
actual size



**Serrated**

15 cm  
Tip dimension: 7.6 x 5.7 mm

No. 91126-15

McIndoe



80% of  
actual size

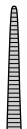


**Serrated**

15 cm  
Tip width: 1.2 mm

No. 91138-15

## Halsted-Mosquito



**Straight  
Serrated**

12.5 cm  
Tip width: 1.4 mm

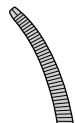
No. 91308-12



**Curved  
Serrated**

12.5 cm  
Tip width: 1.4 mm

No. 91309-12



**Curved  
1x2 Teeth and  
Serrations**

12.5 cm  
Tip width: 2 mm

No. 91331-12

## Hartmann



**Curved  
Serrated**

10 cm  
Tip width: 1.5 mm

No. 91303-10

## Crile



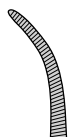
80% of  
actual size



**Straight  
Serrated**

14 cm  
Tip width: 1.5 mm

**No. 91304-14**



**Curved  
Serrated**

14 cm  
Tip width: 1.5 mm

**No. 91305-14**

**Straight  
Serrated**

16 cm  
Tip width: 2 mm

**No. 91304-16**

**Curved  
Serrated**

16 cm  
Tip width: 2 mm

**No. 91305-16**

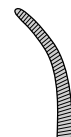
## Kelly



**Straight  
Serrated**

14 cm  
Tip width: 2 mm

**No. 91318-14**

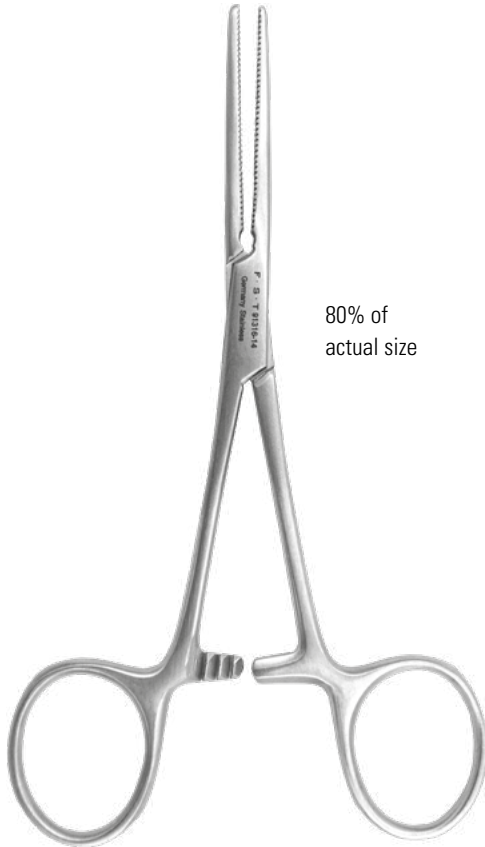


**Curved  
Serrated**

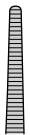
14 cm  
Tip width: 2 mm

**No. 91319-14**

## Rochester-Pean



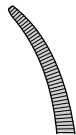
80% of  
actual size



**Straight  
Serrated**

14 cm  
Tip width: 2 mm

No. 91316-14



**Curved  
Serrated**

14 cm  
Tip width: 2 mm

No. 91317-14

**Straight  
Serrated**

16 cm  
Tip width: 2.5 mm

No. 91316-16

**Curved  
Serrated**

16 cm  
Tip width: 2.5 mm

No. 91317-16

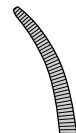
## Pean



**Straight  
Serrated  
Narrow**

14 cm  
Tip width: 2 mm

No. 91322-14



**Curved  
Serrated  
Narrow**

14 cm  
Tip width: 2 mm

No. 91323-14

Pin Holder



For pins, see  
page 145.

**Nickel-plated**

7.5 cm  
Jaw opening: 0 to 1 mm

No. 91606-07

Halsey



80% of  
actual size

For suture needles, see  
page 152 - 153.

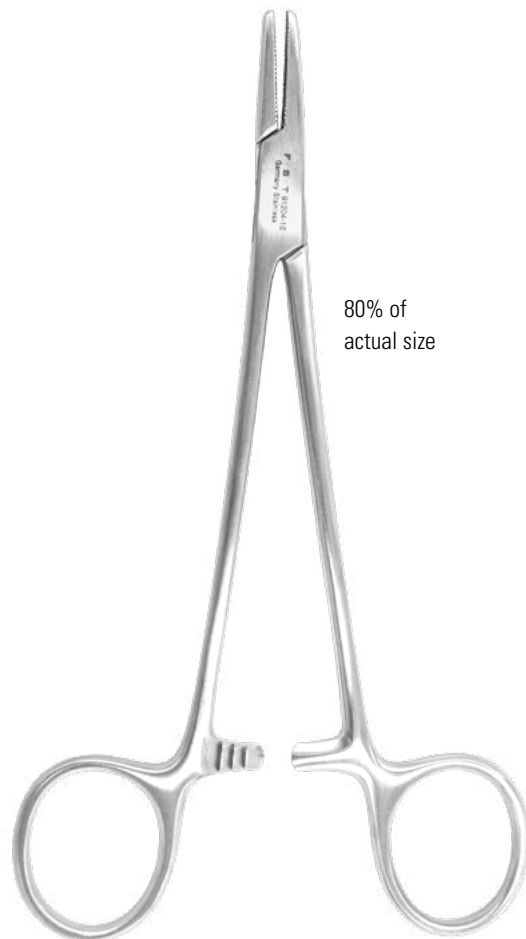


**Straight**

13 cm  
Tip width: 1.5 mm  
Clamping length: 18 mm  
Lockable: Yes  
Scissors: No

No. 91201-13

Mayo-Hegar



80% of  
actual size

For suture needles,  
see page 152 - 153.



**Straight**

16 cm  
Tip width: 2.6 mm  
Clamping length: 21 mm  
Lockable: Yes  
Scissors: No

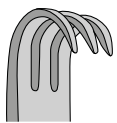
No. 91204-16



# Senn-Miller

# Vessel Dilator

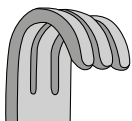
# Spring Loaded



16 cm

3 sharp teeth 7 x 8 mm and  
1 blunt tooth 18 x 6 mm

No. 91790-16



16 cm

3 blunt teeth 7 x 8 mm and  
1 blunt tooth 18 x 6 mm

No. 91791-16

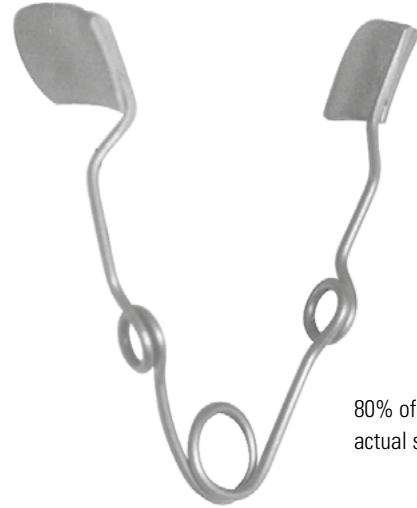


Angled 10°

11 cm

Tip Ø: 0.3 mm

No. 91815-11



80% of  
actual size

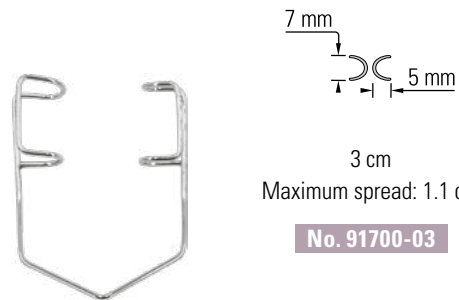
Atraumatic blades

8.5 cm

Maximum spread: 3 cm

No. 91706-05

# Barraquer



7 mm

5 mm

3 cm

Maximum spread: 1.1 cm

No. 91700-03

# Dieffenbach



Straight

35 mm

Strong pressure

No. 91850-35

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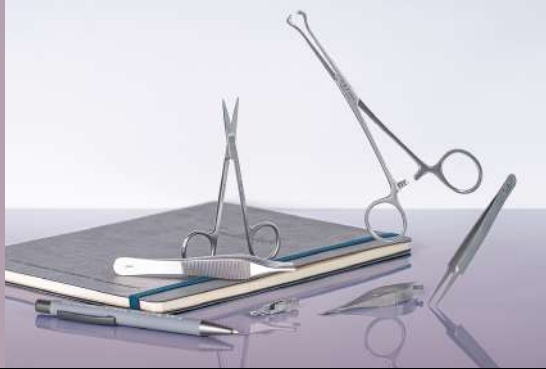
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**Fine Science Tools (USA) Inc.**

4000 East 3<sup>rd</sup> Avenue, Suite 100  
Foster City, CA 94404-4824  
USA

**Phone** +1 800 521 2109 / +1 650 349 1636

**Fax** +1 800 523 2109 / +1 650 349 3729

**E-Mail** [america@finescience.com](mailto:america@finescience.com)

**Online** [finescience.com](http://finescience.com)



**Fine Science Tools GmbH**

Vangerowstraße 14  
69115 Heidelberg  
Germany

**Phone** +49 62 21 - 90 50 50

**Fax** +49 62 21 - 90 50 590

**E-Mail** [europe@finescience.com](mailto:europe@finescience.com)

**Online** [finescience.com](http://finescience.com)



**Fine Science Tools**

Unit C, 10/F, Charmhill Centre  
50 Hillwood Road, Tsimshatsui  
Hong Kong

**Phone** +852 6532 9229

**E-Mail** [asia@finescience.com](mailto:asia@finescience.com)

**Online** [finescience.com](http://finescience.com)



**PHYMEP**

21 RUE DE CAMPO FORMIO  
75013 PARIS  
France

**Phone** +33144242518

**E-Mail** [info@phymep.com](mailto:info@phymep.com)

**Online** <https://www.phymep.com/>

